

Barrierefreie Gestaltung und Personalisierung multimedialer Angebote mit XML-Techniken

Multireader Profile Options and Container Elements

In summary, the basic alternatives for different user groups are: closed captions, sign language, text description and audio description. These can be applied to a variety of media elements. The following table describes the profile options and corresponding media containers to be used in the MultiReader system. The options are marked with letters according to the user groups to whom that option might be of interest. The coding is as follows: m - mainstream, d - deaf, h - hard of hearing, b - blind, p - partially sighted, y - dyslexic.

The options which are enabled by default have bold capital letters.

"Container name" is the value which will be used as class attribute value in the documents.

	Profile Option	User Groups	Container Name	Content/Meaning	Relations	
Video	video	M D H B P Y	cvideo	video (pictures) and related media	disabling video disables all related media	
	narration	M D H B P Y	cnarration	spoken words (audio file), original language	in sync with pictures	
	music	M D H B P Y	cvmusic	music	can have captions as well	
	background sound	M D H B P Y	cvbgsound	non-speech audio (e.g. birds singing)	in sync with pictures	
	subtitles	D H	cvsubtitle	textual representation of narration	in sync with narration	
	captions			Brief text representation of the images		
	summarized captions	d h	cvcaption	short textual representation of narration (and other sounds?)	in sync with narration	
	text description	D h	cvtxtdesc	textual description of other sounds	in sync with background sound and captions	
	audio description		B p	cvaudiodesc	auditory description of visible things	in sync with pictures and narration
	sign language	D h	cvsign	translation of narration	in sync with narration	
	long description	d h b p	cvlongdesc	textual description of the overall content of the video		
	native language narration	M D H B P Y	cnarration	narration in system language	replaces original narration, captions will be used if "closed captions" is on, "subtitles" must be off	
	Native language Subtitles	m d h b p y	cvlangsub	subtitles in system language	original narration remains, "native language narration" must be off	
▶	Narration	M D H B P Y	cnarration	pre-recorded human speech (audio file)	disabling narration disables all related media	

	subtitles		D	h				cnsubtitle	textual representation of spoken words	in sync with narration
	summarized captions		d	h				cvsumcap	short textual representation of narration	in sync with narration
	native language narration	M	D	H	B	P	Y	cnarration	narration in system language	replaces original narration
	Native language subtitles	m	d	h	b	p	y	cnlangsub	subtitles in system language	original narration remains
	Music	M	D	H	B	P	Y	cmusic	music (audio file)	disabling music disables captions/desc.
	Subtitles		D	h				cmsubtitle	textual representation of the words sung	in sync with singer
	Sign language description		D	h				cmsign	description of the music	in sync with music
	Text description		D	h				cmtxtdesc	description of important elements in the music	in sync with music
	non-speech sound	M	D	H	B	P	Y	csound	important non-speech sound (audio file)	disabling non-speech sound disables all related media
	Text description		d	h				csxtxtdesc	textual description of the sound	(needs presentation space!)
	Icon		D	H				csicon	icon indicating there is a sound (maybe even type of sound)	
	Sign language description		d	h				cssign	sign language description of the sound	
Pictorial Elements	Animation	M	D	H	B	P	Y	canimation	slide show, but also animated GIF	disabling animation disables all related media
	Static representation				B	p	Y	castatic	slide show will be displayed as a number of pictures next to each other, no impact on animated GIFs	may need additional presentation space
	Audio description				B	p		caadesc	pre-recorded audio describing the animation	may be combined with static representation
	Long description				B	p		calongdesc	long description of the animation (in addition to "alt" text)	needs additional presentation space, may be combined with static representation
	Pictures	M	D	H	B	P	Y	cpic	photographs, drawings, maps etc.	disabling pictures disables all related media
	Audio description					b	p	cpadesc	pre-recorded audio describing the image	
	Long description				B	P		cplongdesc	long description of the picture	needs additional presentation space
	Maps	M	D	H	B	P	Y	cmap	SVG maps	disabling maps disables all related media
	Image map alternative				B	p		cmalt	raster image map instead of SVG map	
	Long description				B	P		cmlongdesc	textual description of the map	
	Audio description				B	p		cmadesc	pre-recorded speech describing the map	
	Haptic extension	m	d	h	B	p	y		enables phantom for maps	
Text	sign language for text		D					ctsign	sign language representation of text	
	synthetic speech for text	m			B	p	y		textual content will be read out	

	text highlighting		D	H			Y		text (hx, p) will be highlighted	
	by sentence		D	H			Y	chigh		container applies to sign language only
	by word		d	h			y			
	dictionary								(This is a group name, not an option. Dictionary is enabled by selecting one of the items below.)	
	text	m	d	h	b	p	Y	cdict	textual explanation of a word/phrase	in the coding the availability of any of the representations is indicated by an attribute
	sign language		D	h				cdict	sign language video explaining a word/phrase	
	page summary								(This is a group name, not an option. Summary is enabled by selecting one of the items below.)	
	text	m	d	h	B	p	y	csumtext	short text summary	the summary is presented on top of a page and helps the reader to decide whether it is worth reading that page
	picture	m	d	h		p	Y	csumpic	picture summary, e.g. a cartoon	
	audio	m		h	b	p	y	csumaudio	pre-recorded speech summary	
	sign language		d	h				csumsign	sign language summary	
	subtitles for sign language	M		H	B	P	Y	csignsubtitle	textual description of sign language (if sign language is the first language of a document)	
	tool tips for buttons								(This is a group name, not an option. Tool tips are enabled by selecting one of the items below.)	
GUI	text	M	d	H	B	p	y		name of the button	
	icon		d	h		P	Y		enlarged view of the button's icon	
	sign language		D	h					signed name of the button	
Annotations	annotation highlighting						y			
	word prediction						y			
	echo text input				B	p				
	speech recognition of commands									
	speech recognition of text									

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