Construct A Theme

Theme(ThemeType.element=ElementClass(ElementClassArgument=value))
No ElementClass: Theme(ThemeType.element=value)

ThemeType
ElementClass

y axis: ElementClassArgument

line — element_lin

size	$0.5^{(2)}_{numeric}$
linetype	$1^{(3)}_{numeric}$
lineend	$butt^{(4)}_{character}$
colour	$black^{(1)}_{character}$
arrow	$FALSE^{(5)}_{logical}$

panel — spacing

$5.5^{(143)}_{unit}$

legend — element_rect

	background	key
size	(107)	(112)
linetype	(108)	(113)
fill	(105)	$white^{(110)}_{character}$
colour	(106) logical	(111) logical

plot — element_text

	caption	subtitle	title
vjust	$1^{(181)}_{numeric}$	$1^{(172)}_{numeric}$	$1^{(163)}_{numeric}$
size	$0.9^{(179)}_{rel}$	$0.9^{(170)}_{rel}$	$1.2^{(161)}_{rel}$
margin	$b=0,l=0,r=0,t=4.95,unit=pt^{(184)}_{margin}$	$b=4.95,l=0,r=0,t=0,unit=pt^{(175)}_{margin}$	$b=6.6,l=0,r=0,t=0,unit=pt^{(166)}_{margin}$
lineheight	(183)	(174)	(165)
hjust	$1^{(180)}_{numeric}$	$0^{(171)}_{numeric}$	$0^{(162)}_{numeric}$
family	(176)	(167)	(158)
face	(177)	(168)	(159)
colour	(178)	(169)	(160)
angle	(182)	(173)	(164)

rect — element_re

size	$0.5^{(8)}_{numeric}$
linetype	$1^{(9)}_{numeric}$
fill	$white^{(6)}_{character}$
colour	$black^{(7)}_{character}$

plot — element_re

	background
size	(156)
linetype	(157)
fill	(154)
colour	$white^{(155)}_{character}$

legend — element_text

	text	title
vjust	(119)	(128)
size	$0.8^{(117)}_{rel}$	(126)
margin	(122)	(131)
lineheight	(121)	(130)
hjust	(118)	$0^{(127)}_{numeric}$
family	(114)	(123)
face	(115)	(124)
colour	(116)	(125)
angle	(120)	(129)

strip — element_text

	text	text.x	text.y
vjust	(195)	(204)	(213)
size	$0.8^{(193)}_{rel}$	(202)	(211)
margin	(198)	$b=5.5,l=0,r=0,t=5.5,unit=pt^{(207)}_{margin}$	$b=0,l=5.5,r=5.5,t=0,unit=pt^{(216)}_{margin}$
lineheight	(197)	(206)	(215)
hjust	(194)	(203)	(212)
family	(190)	(199)	(208)
face	(191)	(200)	(209)
colour	$grey10^{(192)}_{character}$	(201)	(210)
angle	(196)	(205)	$-90^{(214)}_{numeric}$

text — element_te

vjust	$0.5^{(15)}_{numeric}$
size	$11^{(13)}_{numeric}$
margin	$,r=0,t=0,unit=$
lineheight	$0.9^{(17)}_{numeric}$
hjust	$0.5^{(14)}_{numeric}$
family	$(10)_{character}$
face	$plain^{(11)}_{character}$
colour	$black^{(12)}_{character}$
angle	$0^{(16)}_{numeric}$

strip — placement

$inside^{(189)}_{character}$

panel — element_line

	grid.major	grid.minor
size	(145)	$0.25^{(150)}_{numeric}$
linetype	(146)	(151)
lineend	(147)	(152)
colour	$grey92^{(144)}_{character}$	$grey92^{(149)}_{character}$
arrow	$FALSE^{(148)}_{logical}$	$FALSE^{(153)}_{logical}$

legend

box.spacing	justification	position	spacing
$0.4^{(134)}_{unit}$	$center^{(133)}_{character}$	$right^{(132)}_{character}$	$0.4^{(109)}_{unit}$

axis — element_lin (ticks)

size	(101)
linetype	(102)
lineend	(103)
colour	$grey20^{(100)}_{character}$
arrow	$FALSE^{(104)}_{logical}$

strip — element_re (background)

size	(187)
linetype	(188)
fill	$grey85^{(185)}_{character}$
colour	$grey20^{(186)}_{character}$

panel — element_rect

	background	border
size	(137)	(141)
linetype	(138)	(142)
fill	$white^{(135)}_{character}$	(139) logical
colour	(136) logical	$grey20^{(140)}_{character}$

axis — element_text

	text	text.x	text.x.top	text.y	text.y.right	title.x	title.x.top	title.y	title.y.right
vjust	(60)	$1^{(69)}_{numeric}$	$0^{(78)}_{numeric}$	(87)	(96)	$1^{(24)}_{numeric}$	$0^{(33)}_{numeric}$	$1^{(42)}_{numeric}$	$0^{(51)}_{numeric}$
size	$0.8^{(58)}_{rel}$	(67)	(76)	(85)	(94)	(22)	(31)	(40)	(49)
margin	$b=0,l=0,r=0,t=2.2...^{(63)}$	(72)	(81)	(90)	(99)	(27)	(36)	(45)	
lineheight	(62)	(71)	(80)	(89)	(98)	(26)	(35)	(44)	(53)
hjust	(59)	(68)	(77)	$1^{(86)}_{numeric}$	$0^{(95)}_{numeric}$	(23)	(32)	(41)	(50)
family	(55)	(64)	(73)	(82)	(91)	(19)	(28)	(37)	(46)
face	(56)	(65)	(74)	(83)	(92)	(20)	(29)	(38)	(47)
colour	$grey30^{(57)}_{character}$	(66)	(75)	(84)	(93)	(21)	(30)	(39)	(48)
angle	(61)	(70)	(79)	(88)	(97)	(25)	(34)	$90^{(43)}_{numeric}$	$-90^{(52)}_{numeric}$

x axis: element

compare:theme_bw() to base:theme_classic() Blue updated element with new value, Red active element