Converting Colors

RYB(91, 165, 250)

Have a look what the booklet for RYB(91, 165, 250) contains.

Color

RYB(91, 165, 250)

Conversions

Conversions Part 1

Format	Color
Hex	5BE5FA
RGB	91, 229, 250
RGB Percent	36%, 90%, 98%
CMY	0.6431, 0.1003, 0.0196
CMYK	0.64, 0.08, 0.00, 0.02
HSL	188°, 94%, 67%
HSV	188°, 64%, 98%
XYZ	49.7064, 65.3996, 100.4461
YIQ	190.1320, -88.9890, -22.7250

Conversions

Conversions Part 2

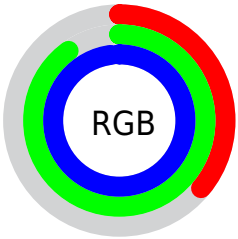
Format	Color
RYB	91, 165, 250
Decimal	6022650
CIELab	84.69, -31.17, -21.09
CIELCh	85, 37.636, 214.086
Yxy	65.3996, 0.2306, 0.3034
Android (android.graphics.Color)	4284212730 (0xFF5BE5FA)
YUV	190.1320, 29.5149, -86.9388
Hunter-Lab	80.8700, -31.8083, -17.0332

Details

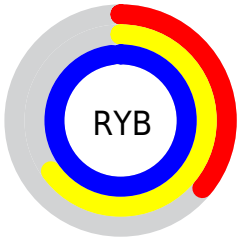
The RYB color 91, 165, 250 is a light color, and the websafe version is hex 66CCCC. The color can be described as light muted cyan. A complement of this color would be 250, 115, 91, and the grayscale version is 190, 190, 190.

A 20% lighter version of the original color is 156, 206, 255, and 0, 91, 194 is the 20% darker color. If you saturate the color by 10%, you get 66, 152, 250, and if you desaturate by 10%, it is 116, 178, 250.

Distribution

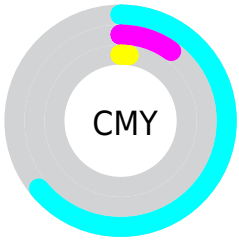


- Red (36%)
- Green (90%)
- Blue (98%)



- Red (36%)
- Yellow (65%)
- Blue (98%)

- Cyan (64%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)



- Cyan (64%)
- Magenta (10%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 91, 165, 250 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 91, 165, 250 by changing the saturation by 10% instead.

91, 165, 250	91, 165, 250
255, 255, 255	51, 131, 221
156, 206, 255	0, 92, 194
187, 221, 255	0, 78, 166
218, 237, 255	0, 65, 140
250, 253, 255	0, 52, 114
	0, 40, 90
	0, 28, 66
	0, 17, 44
	0, 1, 23

91, 165, 250

66, 152, 250

41, 138, 250

16, 125, 250

0, 116, 250

91, 165, 250

116, 178, 250

141, 192, 250

166, 205, 250

191, 218, 250

216, 232, 250

241, 245, 250

255, 253, 250

250, 255, 250

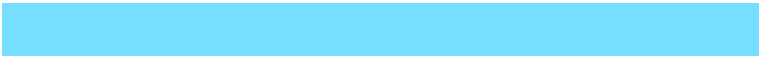
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.

111, 175, 231

91, 165, 250



118, 177, 255

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.

91, 165, 250

255, 189, 243

166, 231, 140

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.

91, 165, 250

250, 115, 91

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.

255, 245, 148

91, 165, 250

255, 185, 208

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.

91, 165, 250

223, 201, 255

255, 191, 173

152, 221, 180

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.

91, 165, 250

153, 192, 255

255, 191, 173

197, 243, 141

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.

91, 165, 250

207, 229, 255

91, 233, 250

98, 112, 128

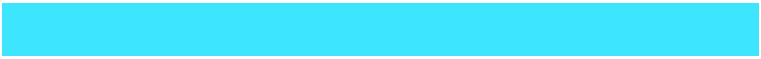
0, 0, 0

128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.

91, 165, 250



61, 151, 255

91, 135, 250

112, 118, 125

0, 88, 189

0, 28, 61

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.

250, 91, 229

255, 61, 230

190, 250, 91

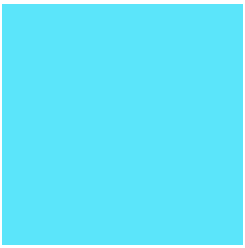
125, 112, 123

189, 0, 164

61, 0, 53

Previews

White Background

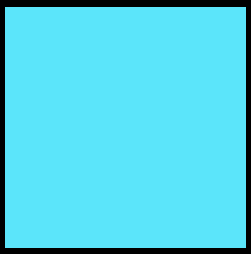


This preview shows how the RYB color 91, 165, 250 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

Black Background



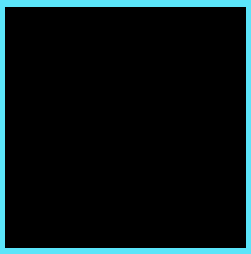
This preview shows how the RYB color 91, 165, 250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 91, 165, 250 Background



This preview shows how black text looks on a background with the RYB color 91, 165, 250.

This preview shows how white text looks on a background with the RYB color 91, 165, 250.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their article about color blindness.

Dichromacy

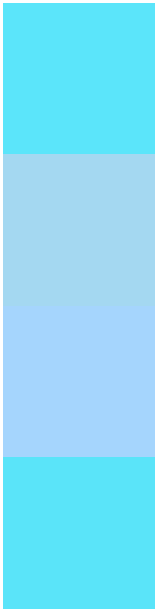
Original Color
91, 165, 250

Protanopia
206, 208, 236

Deuteranopia
208, 205, 255

Tritanopia
90, 164, 248

Trichromacy



Original Color
91, 165, 250

Protanomaly
164, 195, 241

Deuteranomaly
165, 196, 253

Tritanomaly
90, 164, 249

Monochromacy

Original Color
91, 165, 250

Achromatopsia
190, 190, 190

Achromatomaly
154, 181, 212

CSS Examples

Text

The CSS property to change the color of the text to RYB 91, 165, 250 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(91, 229, 250) looks like.

```
.text, #text, p{
    color:rgb(91, 229, 250)
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our CSS Text Shadow Generator.

Here you see how black text with a 4 pixel rgb(91, 229, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 229, 250) }
```

Border

The CSS property to change the border of an element to RYB 91, 165, 250 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(91, 229, 250) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(91, 229, 250) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(91, 229, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(91, 229, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(91, 229, 250); box-shadow:4px 4px 4px 4px rgb(91, 229, 250) }
```

Background

The CSS property to change the background color of an element to RYB 91, 165, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(91, 229, 250) }
```

If only the background color should be changed can be used:

```
.background{ background-color:rgb(91, 229,
250) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our online CSS compressor and optimizer based on csstidy. If you want to create a linear or radial gradient as background or border, check our CSS Gradient Generator.

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