

Converting Colors

`RYB(85, 170, 250)`

Have a look what the booklet for
RYB(85, 170, 250) contains.

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Color

RYB(85, 170, 250)

Conversions

Conversions Part 1

Format	Color
Hex	55FAF0
RGB	85, 250, 240
RGB Percent	33%, 98%, 94%
CMY	0.6667, 0.0196, 0.0577
CMYK	0.66, 0.00, 0.04, 0.02
HSL	176°, 94%, 66%
HSV	176°, 66%, 98%
XYZ	53.7038, 76.6113, 94.6243
YIQ	199.5250, -95.1300, -38.0900

Conversions

Conversions Part 2

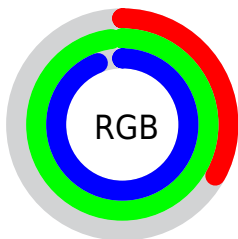
Format	Color
RYB	85, 170, 250
Decimal	5634800
CIELab	90.14, -44.15, -7.85
CIELCh	90, 44.846, 190.086
Yxy	76.6113, 0.2387, 0.3406
Android (android.graphics.Color)	4283824880 (0xFF55FAF0)
YUV	199.5250, 19.9542, -100.4384
Hunter-Lab	87.5279, -43.6528, -2.8275

Details

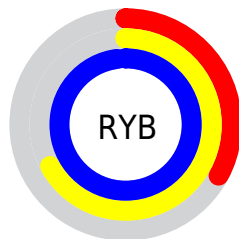
The RYB color **85, 170, 250** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **250, 85, 95**, and the grayscale version is **199, 199, 199**.

A 20% lighter version of the original color is **153, 204, 255**, and **0, 99, 193** is the 20% darker color. If you saturate the color by 10%, you get **60, 158, 250**, and if you desaturate by 10%, it is **110, 182, 250**.

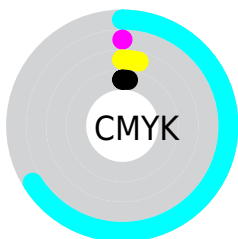
Distribution



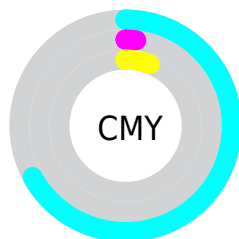
- Red (33%)
- Green (98%)
- Blue (94%)



- Red (33%)
- Yellow (67%)
- Blue (98%)



- Cyan (66%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)



















- Cyan (67%)
- Magenta (2%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 85, 170, 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 85, 170, 250 by changing the saturation by 10% instead.

 85, 170, 250	 85, 170, 250
 255, 255, 255	 39, 132, 221
 153, 204, 255	 0, 99, 193
 185, 220, 255	 0, 85, 165
 216, 236, 255	 0, 71, 138
 248, 252, 255	 0, 58, 112
	 0, 45, 87
	 0, 32, 62
	 0, 21, 41
	 0, 2, 18

■ 85, 170, 250

■ 85, 170, 250

■ 60, 158, 250

■ 110, 182, 250

■ 35, 146, 250

■ 135, 194, 250

■ 10, 134, 250

■ 160, 206, 250

■ 0, 129, 250

■ 185, 219, 250

■ 210, 231, 250

■ 235, 243, 250

■ 255, 250, 251

■ 255, 250, 252

■ 255, 250, 254

Harmonies

Analogous

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



141, 212, 248



85, 170, 250



59, 155, 255

Triad

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



85, 170, 250



251, 210, 255



213, 255, 147

Complementary

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



85, 170, 250



250, 85, 95

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, 215, 174



85, 170, 250



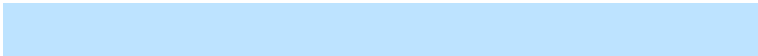
255, 198, 255

Square

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



85, 170, 250



189, 213, 255



255, 194, 214



155, 241, 141

Rectangle

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



85, 170, 250



94, 171, 255



255, 194, 214



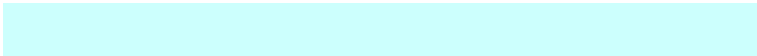
238, 255, 154

Sweetspot

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



85, 170, 250



204, 230, 255



85, 250, 239



97, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



85, 170, 250



54, 158, 255



85, 145, 250



112, 119, 125



0, 97, 189



0, 31, 61

Inverse Universe

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



250, 85, 95



255, 54, 65



250, 213, 85



125, 112, 113



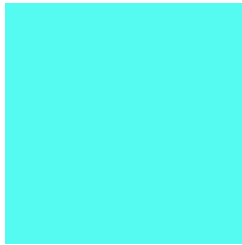
189, 0, 11



61, 0, 4

Previews

White Background



This preview shows how the RYB color 85, 170, 250 looks on a white background.

Color Contrast Check

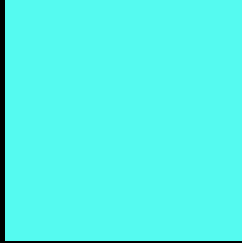
Large Text (above 18pt) WCAG AA × Fail

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 85, 170, 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 85, 170, 250 Background



This preview shows how black text looks on a background with the RYB color 85, 170, 250.

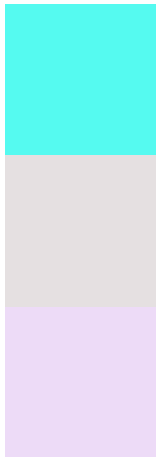


This preview shows how white text looks on a background with the RYB color 85, 170, 250.

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
85, 170, 250

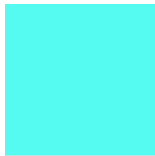
Protanopia
229, 224, 225

Deuteranopia
237, 219, 247



Tritanopia
149, 198, 255

Trichromacy



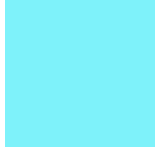
Original Color
85, 170, 250



Protanomaly
177, 206, 233



Deuteranomaly
182, 209, 245

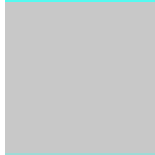


Tritanomaly
126, 186, 250

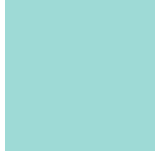
Monochromacy



Original Color
85, 170, 250



Achromatopsia
200, 200, 200



Achromatomaly
158, 189, 218

CSS Examples

Text

The CSS property to change the color of the text to RYB 85, 170, 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(85, 250, 240)` looks like.

```
.text, #text, p{  
    color:rgb(85, 250, 240)  
}
```

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(85, 250, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 250, 240) }
```

Border

The CSS property to change the border of an element to RYB 85, 170, 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(85, 250, 240) }
```

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

```
.border{ border-color:rgb(85, 250, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 250, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 250, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 250, 240);  
box-shadow:4px 4px 4px 4px rgb(85, 250,  
240) }
```

Background

The CSS property to change the background color of an element to RYB 85, 170, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 250, 240) }
```

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

```
.background{ background-color: rgb(85, 250,  
240) }
```

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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