

Converting Colors

`RYB(79, 158, 237)`

Have a look what the booklet for
RYB(79, 158, 237) contains.

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Color

`RYB(79, 158, 237)`

Conversions

Conversions Part 1

Format	Color
Hex	4FEDED
RGB	79, 237, 237
RGB Percent	31%, 93%, 93%
CMY	0.6902, 0.0706, 0.0706
CMYK	0.67, 0.00, 0.00, 0.07
HSL	180°, 81%, 62%
HSV	180°, 67%, 93%
XYZ	48.7947, 68.3451, 90.7409
YIQ	189.7580, -94.1680, -33.4960

Conversions

Conversions Part 2

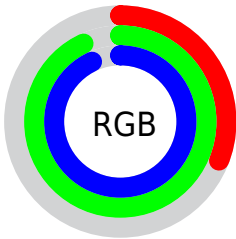
Format	Color
RYB	79, 158, 237
Decimal	5238253
CIELab	86.18, -40.07, -12.04
CIELCh	86, 41.838, 196.726
Yxy	68.3451, 0.2347, 0.3288
Android (android.graphics.Color)	4283428333 (0xFF4FEDED)
YUV	189.7580, 23.2903, -97.1348
Hunter-Lab	82.6711, -39.3189, -7.2078

Details

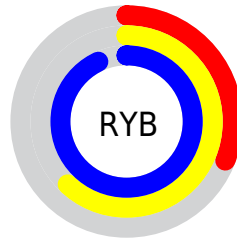
The RYB color **79, 158, 237** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **237, 79, 79**, and the grayscale version is **190, 190, 190**.

A 20% lighter version of the original color is **147, 201, 255**, and **0, 90, 181** is the 20% darker color. If you saturate the color by 10%, you get **55, 146, 237**, and if you desaturate by 10%, it is **103, 170, 237**.

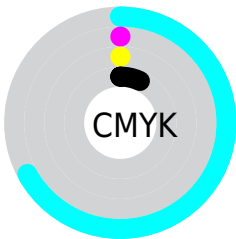
Distribution



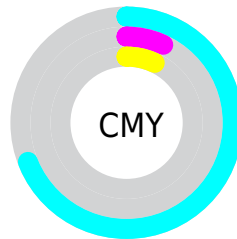
- Red (31%)
- Green (93%)
- Blue (93%)



- Red (31%)
- Yellow (62%)
- Blue (93%)



- Cyan (67%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



















- Cyan (69%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 79, 158, 237 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 79, 158, 237 by changing the saturation by 10% instead.

 79, 158, 237	 79, 158, 237
 255, 255, 255	 30, 119, 209
 147, 201, 255	 0, 90, 181
 179, 217, 255	 0, 77, 154
 210, 233, 255	 0, 64, 128
 241, 248, 255	 0, 51, 103
	 0, 39, 79
	 0, 27, 57
	 0, 16, 35
	 0, 1, 13

■ 79, 158, 237

■ 79, 158, 237

■ 55, 146, 237

■ 103, 170, 237

■ 32, 135, 237

■ 126, 182, 237

■ 8, 123, 237

■ 150, 194, 237

■ 0, 119, 237

■ 174, 206, 237

■ 198, 218, 237

■ 221, 229, 237

■ 245, 237, 237

■ 255, 237, 237

Harmonies

Analogous

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



126, 193, 236



79, 158, 237



75, 159, 255

Triad

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



79, 158, 237



248, 197, 255



221, 255, 139

Complementary

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



79, 158, 237



237, 79, 79

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, 213, 160



79, 158, 237



255, 187, 235

Square

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



79, 158, 237



195, 208, 255



255, 186, 195



139, 220, 139

Rectangle

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



79, 158, 237



110, 175, 255



255, 186, 195



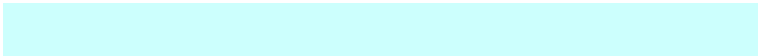
245, 255, 144

Sweetspot

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



79, 158, 237



204, 230, 255



79, 237, 237



97, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



79, 158, 237



51, 153, 255



79, 132, 237



106, 112, 117



0, 91, 181



0, 27, 54

Inverse Universe

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



237, 79, 237



255, 51, 255



237, 237, 79



117, 106, 117



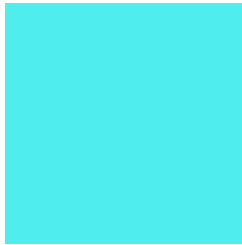
181, 0, 181



54, 0, 54

Previews

White Background



This preview shows how the RYB color 79, 158, 237 looks on a white background.

Color Contrast Check

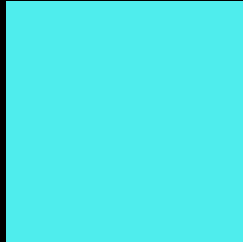
Large Text (above 18pt) WCAG AA × Fail

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 79, 158, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

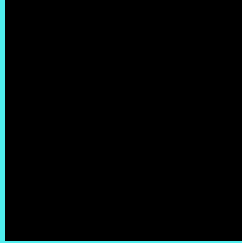
Any Text WCAG AA ✓ Pass

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 79, 158, 237 Background



This preview shows how black text looks on a background with the RYB color 79, 158, 237.

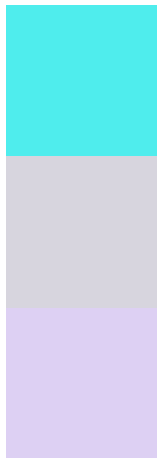


This preview shows how white text looks on a background with the RYB color 79, 158, 237.

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](#).

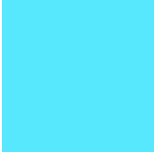
Dichromacy



Original Color
[79](#), [158](#), [237](#)

Protanopia
[215](#), [213](#), [222](#)

Deuteranopia
[221](#), [208](#), [243](#)



Tritanopia
88, 165, 253

Trichromacy



Original Color

79, 158, 237



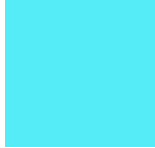
Protanomaly

166, 195, 227



Deuteranomaly

169, 199, 241



Tritanomaly

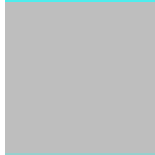
85, 163, 247

Monochromacy



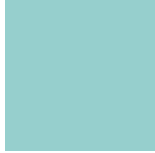
Original Color

79, 158, 237



Achromatopsia

190, 190, 190



Achromatomaly

150, 179, 207

CSS Examples

Text

The CSS property to change the color of the text to RYB 79, 158, 237 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(79, 237, 237)` looks like.

```
.text, #text, p{  
    color:rgb(79, 237, 237)  
}
```

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(79, 237, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 237, 237) }
```

Border

The CSS property to change the border of an element to RYB 79, 158, 237 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(79, 237, 237) }
```

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

```
.border{ border-color:rgb(79, 237, 237) }
```

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

Here you see how a box with a 4 pixel rgb(79, 237, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 237, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 237, 237);  
box-shadow:4px 4px 4px 4px rgb(79, 237,  
237) }
```

Background

The CSS property to change the background color of an element to RGB 79, 158, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 237, 237) }
```

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

```
.background{ background-color: rgb(79, 237,  
237) }
```

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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