

Converting Colors

`RYB(99, 176, 237)`

Have a look what the booklet for
RYB(99, 176, 237) contains.

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Color

`RYB(99, 176, 237)`

Conversions

Conversions Part 1

Format	Color
Hex	63EDD0
RGB	99, 237, 208
RGB Percent	39%, 93%, 82%
CMY	0.6118, 0.0706, 0.1830
CMYK	0.58, 0.00, 0.12, 0.07
HSL	168°, 79%, 66%
HSV	168°, 58%, 93%
XYZ	46.8549, 67.7911, 70.4996
YIQ	192.4320, -72.9390, -38.2750

Conversions

Conversions Part 2

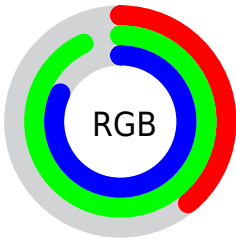
Format	Color
RYB	99, 176, 237
Decimal	6548944
CIELab	85.90, -44.25, 2.67
CIELCh	86, 44.332, 176.548
Yxy	67.7911, 0.2531, 0.3662
Android (android.graphics.Color)	4284739024 (0xFF63EDD0)
YUV	192.4320, 7.6750, -81.9399
Hunter-Lab	82.3353, -42.5071, 6.8677

Details

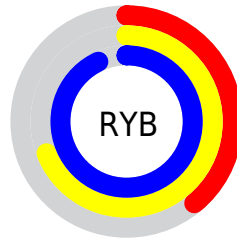
The RYB color **99, 176, 237** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **237, 99, 128**, and the grayscale version is **192, 192, 192**.

A 20% lighter version of the original color is **161, 208, 255**, and **13, 104, 180** is the 20% darker color. If you saturate the color by 10%, you get **75, 165, 237**, and if you desaturate by 10%, it is **123, 187, 237**.

Distribution



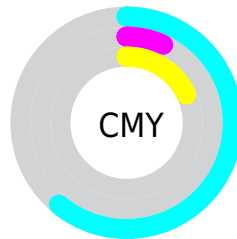
- Red (39%)
- Green (93%)
- Blue (82%)



- Red (39%)
- Yellow (69%)
- Blue (93%)



- Cyan (58%)
- Magenta (0%)
- Yellow (12%)
- Black (7%)



















- Cyan (61%)
- Magenta (7%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 99, 176, 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 99, 176, 237 by changing the saturation by 10% instead.

 99, 176, 237	 99, 176, 237
 255, 255, 255	 65, 144, 208
 161, 208, 255	 13, 104, 180
 191, 223, 255	 0, 83, 153
 221, 238, 255	 0, 69, 126
 252, 254, 255	 0, 57, 101
	 0, 44, 76
	 0, 31, 52
	 0, 20, 29
	 0, 0, 0

■ 99, 176, 237

■ 99, 176, 237

■ 75, 165, 237

■ 123, 187, 237

■ 52, 155, 237

■ 146, 197, 237

■ 28, 144, 237

■ 170, 207, 237

■ 4, 134, 237

■ 194, 218, 237

■ 0, 132, 237

■ 217, 228, 237

■ 241, 237, 238

■ 255, 237, 243

■ 255, 237, 248

■ 255, 237, 253

Harmonies

Analogous

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



155, 223, 233



99, 176, 237



42, 143, 251

Triad

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



99, 176, 237



213, 206, 255



255, 238, 146

Complementary

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



99, 176, 237



237, 99, 128

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, 186, 179



99, 176, 237



255, 191, 255

Square

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



99, 176, 237



146, 190, 255



255, 183, 221



182, 247, 130

Rectangle

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



99, 176, 237



49, 146, 255



255, 183, 221



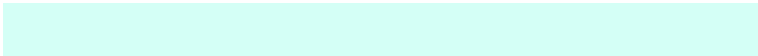
255, 213, 156

Sweetspot

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



99, 176, 237



212, 236, 255



99, 237, 207



102, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



99, 176, 237



77, 176, 255



99, 157, 237



106, 112, 117



0, 101, 181



0, 30, 54

Inverse Universe

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



237, 99, 128



255, 77, 114



237, 153, 99



117, 106, 108



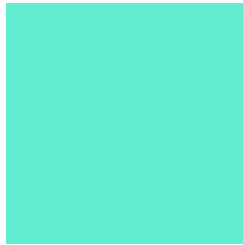
181, 0, 38



54, 0, 11

Previews

White Background



This preview shows how the RYB color 99, 176, 237 looks on a white background.

Color Contrast Check

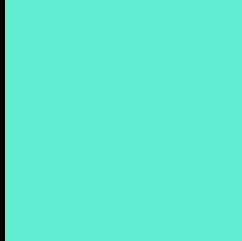
Large Text (above 18pt) WCAG AA × Fail

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 99, 176, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

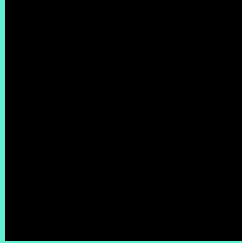
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

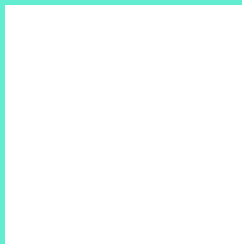
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 99, 176, 237 Background



This preview shows how black text looks on a background with the RYB color 99, 176, 237.

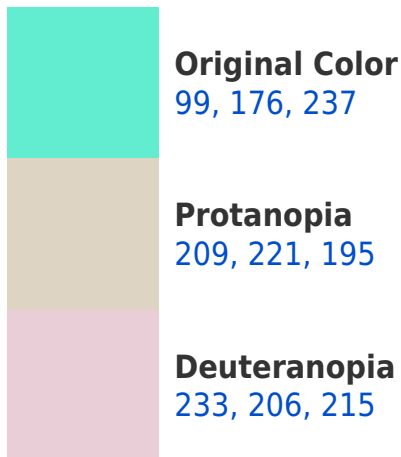


This preview shows how white text looks on a background with the RYB color 99, 176, 237.

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





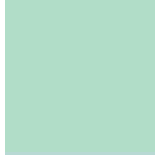
Tritanopia
114, 177, 250

Trichromacy



Original Color

99, 176, 237



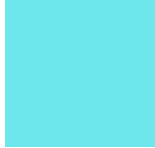
Protanomaly

177, 206, 221



Deuteranomaly

184, 202, 217



Tritanomaly

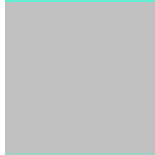
109, 171, 235

Monochromacy



Original Color

99, 176, 237



Achromatopsia

192, 192, 192



Achromatomaly

158, 186, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 176, 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(99, 237, 208)` looks like.

```
.text, #text, p{  
    color:rgb(99, 237, 208)  
}
```

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(99, 237, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 237, 208) }
```

Border

The CSS property to change the border of an element to RYB 99, 176, 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(99, 237, 208) }
```

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

```
.border{ border-color:rgb(99, 237, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 237, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 237, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 237, 208);  
box-shadow:4px 4px 4px 4px rgb(99, 237,  
208) }
```

Background

The CSS property to change the background color of an element to RGB 99, 176, 237 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 237, 208) }
```

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

```
.background{ background-color: rgb(99, 237,  
208) }
```

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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