

Converting Colors

`RYB(99, 179, 245)`

Have a look what the booklet for
RYB(99, 179, 245) contains.

RYB(99, 179, 245)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RYB(99, 179, 245)

Conversions

Conversions Part 1

Format	Color
Hex	63F5DB
RGB	99, 245, 219
RGB Percent	39%, 96%, 86%
CMY	0.6118, 0.0392, 0.1394
CMYK	0.60, 0.00, 0.10, 0.04
HSL	170°, 88%, 67%
HSV	170°, 60%, 96%
XYZ	50.6435, 73.0957, 78.7685
YIQ	198.3820, -78.6700, -39.0380

Conversions

Conversions Part 2

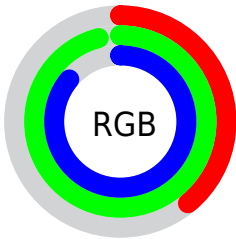
Format	Color
RYB	99, 179, 245
Decimal	6551003
CIELab	88.49, -45.05, 0.62
CIELCh	88, 45.055, 179.210
Yxy	73.0957, 0.2501, 0.3610
Android (android.graphics.Color)	4284741083 (0xFF63F5DB)
YUV	198.3820, 10.1647, -87.1580
Hunter-Lab	85.4960, -43.8836, 5.2226

Details

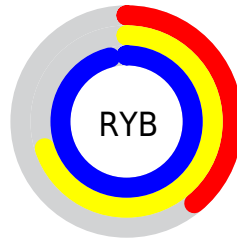
The RYB color **99, 179, 245** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **245, 99, 125**, and the grayscale version is **198, 198, 198**.

A 20% lighter version of the original color is **162, 209, 255**, and **0, 100, 188** is the 20% darker color. If you saturate the color by 10%, you get **75, 168, 245**, and if you desaturate by 10%, it is **124, 190, 245**.

Distribution



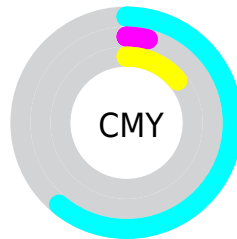
- Red (39%)
- Green (96%)
- Blue (86%)



- Red (39%)
- Yellow (70%)
- Blue (96%)



- Cyan (60%)
- Magenta (0%)
- Yellow (10%)
- Black (4%)


















- Cyan (61%)
- Magenta (4%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the RYB color 99, 179, 245 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, 179, 245 by changing the saturation by 10% instead.


 99, 179, 245	 99, 179, 245
255, 255, 255	 63, 146, 216
 162, 209, 255	 0, 100, 188
 193, 224, 255	 0, 86, 160
 223, 239, 255	 0, 73, 134
254, 255, 255	 0, 60, 108
	 0, 46, 82
	 0, 33, 58
	 0, 22, 36
	 0, 0, 0

 99, 179, 245


 99, 179, 245

 75, 168, 245


 124, 190, 245

 50, 157, 245


 148, 201, 245

 26, 146, 245

 173, 213, 245

 1, 135, 245

 197, 223, 245

 0, 134, 245

 222, 235, 245

 246, 245, 245

 255, 245, 249

 255, 245, 254

 255, 245, 255

Harmonies

Analogous

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



156, 224, 241



99, 179, 245



46, 148, 255

Triad

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



99, 179, 245



225, 211, 255



249, 255, 150

Complementary

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



99, 179, 245



245, 99, 125

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, 194, 182



99, 179, 245



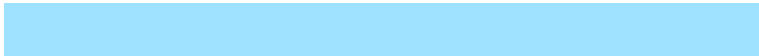
255, 197, 255

Square

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



99, 179, 245



158, 198, 255



255, 189, 225



182, 252, 136

Rectangle

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



99, 179, 245



61, 154, 255



255, 189, 225



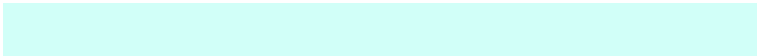
255, 231, 159

Sweetspot

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



99, 179, 245



209, 234, 255



99, 245, 218



99, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



99, 179, 245



71, 172, 255



99, 158, 245



110, 117, 122



0, 102, 186



0, 33, 59

Inverse Universe

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



245, 99, 125



255, 71, 104



245, 166, 99



122, 110, 112



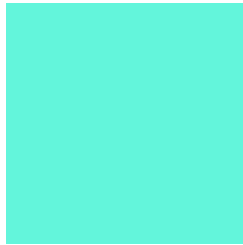
186, 0, 33



59, 0, 10

Previews

White Background



This preview shows how the RYB color 99, 179, 245 looks on a white background.

Color Contrast Check

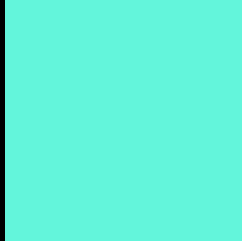
Large Text (above 18pt) WCAG AA × Fail

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, 179, 245 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

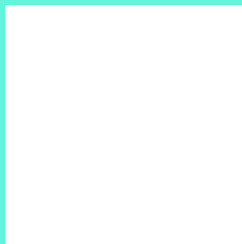
Any Text WCAG AAA ✓ Pass

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

RYB 99, 179, 245 Background



This preview shows how black text looks on a background with the RYB color 99, 179, 245.



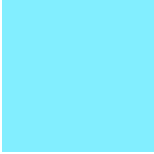
This preview shows how white text looks on a background with the RYB color 99, 179, 245.

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
130, 188, 255

Trichromacy



Original Color

99, 179, 245



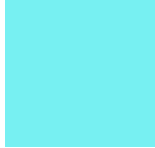
Protanomaly

181, 211, 229



Deuteranomaly

188, 207, 225



Tritanomaly

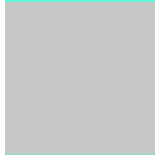
119, 180, 242

Monochromacy



Original Color

99, 179, 245



Achromatopsia

198, 198, 198



Achromatomaly

162, 191, 215

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 179, 245 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, 245, 219)` looks like.

```
.text, #text, p{  
    color:rgb(99, 245, 219)  
}
```

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, 245, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 245, 219) }
```

Border

The CSS property to change the border of an element to RYB 99, 179, 245 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, 245, 219) }
```

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

```
.border{ border-color:rgb(99, 245, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 245, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 245, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 245, 219);  
box-shadow:4px 4px 4px 4px rgb(99, 245,  
219) }
```

Background

The CSS property to change the background color of an element to RGB 99, 179, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 245, 219) }
```

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

```
.background{ background-color: rgb(99, 245,  
219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor