

Converting Colors

`RYB(99, 163, 223)`

Have a look what the booklet for
RYB(99, 163, 223) contains.

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Color

RYB(99, 163, 223)

Conversions

Conversions Part 1

Format	Color
Hex	63DFD7
RGB	99, 223, 215
RGB Percent	39%, 87%, 84%
CMY	0.6118, 0.1255, 0.1559
CMYK	0.56, 0.00, 0.03, 0.13
HSL	176°, 66%, 63%
HSV	176°, 56%, 87%
XYZ	43.8312, 60.3472, 73.7966
YIQ	185.0120, -71.3360, -28.7760

Conversions

Conversions Part 2

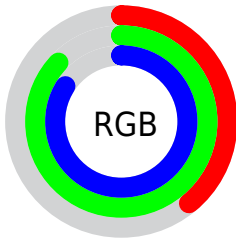
Format	Color
RYB	99, 163, 223
Decimal	6545367
CIELab	82.03, -36.23, -6.67
CIELCh	82, 36.842, 190.428
Yxy	60.3472, 0.2463, 0.3391
Android (android.graphics.Color)	4284735447 (0xFF63DFD7)
YUV	185.0120, 14.7841, -75.4325
Hunter-Lab	77.6834, -35.2313, -1.9450

Details

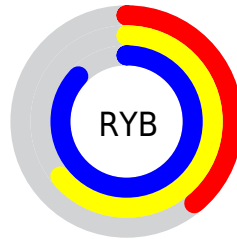
The RYB color **99, 163, 223** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **223, 99, 107**, and the grayscale version is **185, 185, 185**.

A 20% lighter version of the original color is **160, 208, 255**, and **20, 95, 167** is the 20% darker color. If you saturate the color by 10%, you get **77, 152, 223**, and if you desaturate by 10%, it is **121, 174, 223**.

Distribution



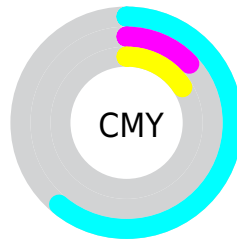
- Red (39%)
- Green (87%)
- Blue (84%)



- Red (39%)
- Yellow (64%)
- Blue (87%)



- Cyan (56%)
- Magenta (0%)
- Yellow (3%)
- Black (13%)




- Cyan (61%)
- Magenta (13%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 99, 163, 223 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, 163, 223 by changing the saturation by 10% instead.

 99, 163, 223


255, 255, 255


 160, 208, 255

 190, 223, 255

 220, 238, 255

 250, 253, 255

 99, 163, 223


 66, 132, 195

 20, 95, 167

 0, 72, 140

 0, 58, 114

 0, 46, 89

 0, 33, 65

 0, 22, 43

 0, 8, 20

 0, 0, 0

■ 99, 163, 223

■ 99, 163, 223

■ 77, 152, 223

■ 121, 174, 223

■ 54, 141, 223

■ 144, 185, 223

■ 32, 131, 223

■ 166, 196, 223

■ 10, 120, 223

■ 188, 206, 223

■ 0, 115, 223

■ 211, 217, 223

■ 233, 223, 224

■ 255, 223, 225

■ 255, 223, 226

■ 255, 223, 228

Harmonies

Analogous

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



137, 193, 221



99, 163, 223



88, 161, 248

Triad

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



99, 163, 223



224, 191, 255



246, 248, 139

Complementary

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



99, 163, 223



223, 99, 107

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, 190, 161



99, 163, 223



255, 181, 228

Square

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



99, 163, 223



176, 196, 255



255, 178, 193



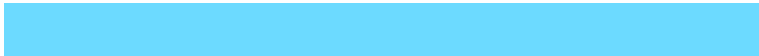
146, 216, 135

Rectangle

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



99, 163, 223



108, 171, 255



255, 178, 193



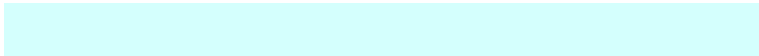
255, 221, 145

Sweetspot

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



99, 163, 223



212, 234, 255



99, 223, 215



102, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



99, 163, 223



84, 172, 255



99, 144, 223



101, 107, 112



0, 91, 176



0, 25, 48

Inverse Universe

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



223, 99, 107



255, 84, 95



223, 195, 99



112, 101, 102



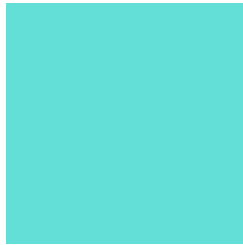
176, 0, 11



48, 0, 3

Previews

White Background



This preview shows how the RYB color 99, 163, 223 looks on a white background.

Color Contrast Check

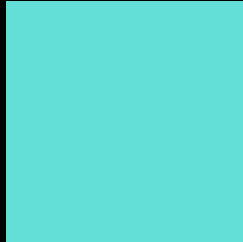
Large Text (above 18pt) WCAG AA × Fail

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, 163, 223 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

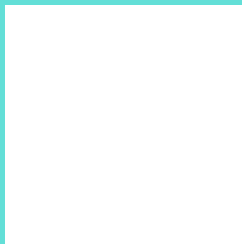
Any Text WCAG AAA ✓ Pass

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

RYB 99, 163, 223 Background



This preview shows how black text looks on a background with the RYB color 99, 163, 223.

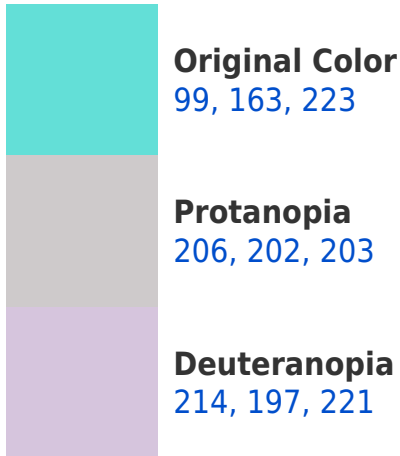


This preview shows how white text looks on a background with the RYB color 99, 163, 223.

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
107, 167, 237

Trichromacy



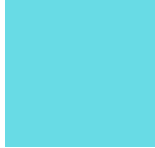
Original Color
99, 163, 223



Protanomaly
167, 189, 210



Deuteranomaly
172, 192, 219

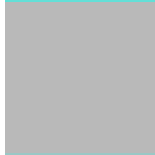


Tritanomaly
104, 164, 229

Monochromacy



Original Color
99, 163, 223



Achromatopsia
185, 185, 185



Achromatomaly
154, 177, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 163, 223 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, 223, 215)` looks like.

```
.text, #text, p{  
    color:rgb(99, 223, 215)  
}
```

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, 223, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 223, 215) }
```

Border

The CSS property to change the border of an element to RYB 99, 163, 223 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, 223, 215) }
```

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

```
.border{ border-color:rgb(99, 223, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 223, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 223, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 223, 215);  
box-shadow:4px 4px 4px 4px rgb(99, 223,  
215) }
```

Background

The CSS property to change the background color of an element to RGB 99, 163, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 223, 215) }
```

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

```
.background{ background-color: rgb(99, 223,  
215) }
```

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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