

Converting Colors

`RYB(99, 155, 205)`

Have a look what the booklet for
RYB(99, 155, 205) contains.

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Color

`RYB(99, 155, 205)`

Conversions

Conversions Part 1

Format	Color
Hex	63CDC2
RGB	99, 205, 194
RGB Percent	39%, 80%, 76%
CMY	0.6118, 0.1961, 0.2406
CMYK	0.52, 0.00, 0.06, 0.20
HSL	174°, 51%, 60%
HSV	174°, 52%, 80%
XYZ	36.6744, 50.1943, 58.5844
YIQ	172.0520, -59.6450, -25.8930

Conversions

Conversions Part 2

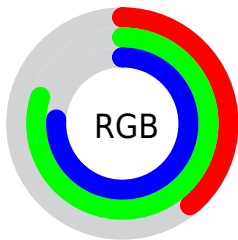
Format	Color
RYB	99, 155, 205
Decimal	6540738
CIELab	76.19, -33.36, -3.72
CIELCh	76, 33.562, 186.369
Yxy	50.1943, 0.2521, 0.3451
Android (android.graphics.Color)	4284730818 (0xFF63CDC2)
YUV	172.0520, 10.8204, -64.0666
Hunter-Lab	70.8479, -31.5834, 0.5664

Details

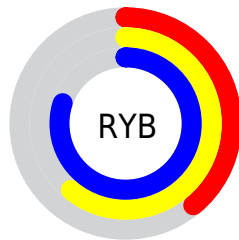
The RYB color **99, 155, 205** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **205, 99, 110**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **157, 207, 255**, and **32, 93, 150** is the 20% darker color. If you saturate the color by 10%, you get **79, 146, 205**, and if you desaturate by 10%, it is **120, 165, 205**.

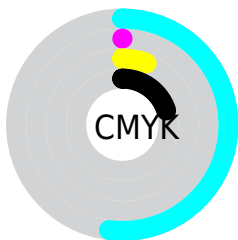
Distribution



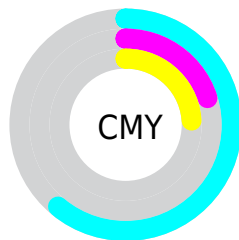
- Red (39%)
- Green (80%)
- Blue (76%)



- Red (39%)
- Yellow (61%)
- Blue (80%)



- Cyan (52%)
- Magenta (0%)
- Yellow (6%)
- Black (20%)


















- Cyan (61%)
- Magenta (20%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 99, 155, 205 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, 155, 205 by changing the saturation by 10% instead.

 99, 155, 205	 99, 155, 205
 255, 255, 255	 69, 126, 177
 157, 207, 255	 33, 94, 150
 186, 221, 255	 0, 64, 124
 216, 236, 255	 0, 52, 99
 246, 251, 255	 0, 39, 74
	 0, 27, 51
	 0, 17, 30
	 0, 0, 0

 99, 155, 205  99, 155, 205

■ 79, 146, 205

■ 120, 165, 205

■ 58, 136, 205

■ 140, 174, 205

■ 37, 126, 205

■ 161, 184, 205

■ 17, 116, 205

■ 181, 194, 205

■ 0, 108, 205

■ 202, 204, 205

■ 222, 205, 207

■ 243, 205, 209

■ 255, 205, 211

■ 255, 205, 213

Harmonies

Analogous

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



133, 182, 203



99, 155, 205



85, 149, 224

Triad

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



99, 155, 205



201, 178, 238



230, 219, 132

Complementary

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



99, 155, 205



205, 99, 110

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.



247, 171, 153



99, 155, 205



233, 168, 213

Square

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



99, 155, 205



157, 181, 249



249, 165, 182



145, 203, 126

Rectangle

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



99, 155, 205



99, 158, 239



249, 165, 182



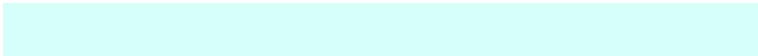
237, 196, 137

Sweetspot

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



99, 155, 205



214, 236, 255



99, 205, 193



103, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



99, 155, 205



97, 180, 255



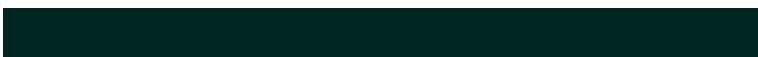
99, 139, 205



92, 97, 102



0, 88, 166



0, 20, 38

Inverse Universe

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



205, 99, 110



255, 97, 114



205, 166, 99



102, 92, 93



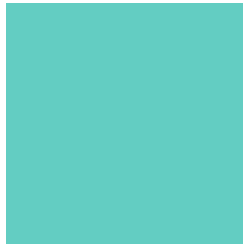
166, 0, 18



38, 0, 4

Previews

White Background



This preview shows how the RYB color 99, 155, 205 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, 155, 205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

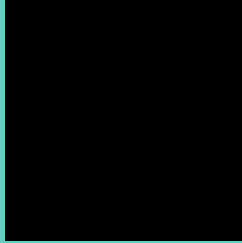
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

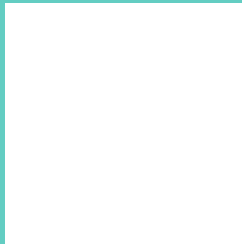
Any Text WCAG AAA ✓ Pass

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

RYB 99, 155, 205 Background



This preview shows how black text looks on a background with the RYB color 99, 155, 205.

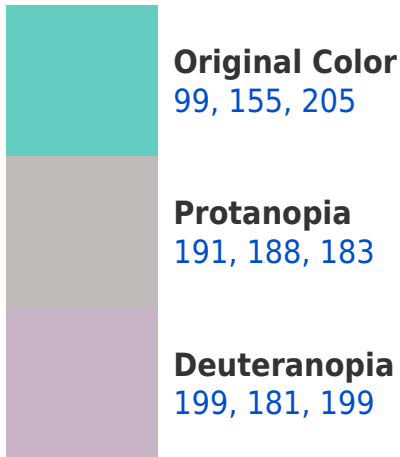


This preview shows how white text looks on a background with the RYB color 99, 155, 205.

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, 158, 218

Trichromacy



Original Color

99, 155, 205



Protanomaly

158, 177, 193



Deuteranomaly

163, 178, 197



Tritanomaly

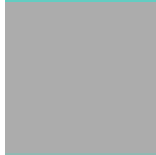
104, 155, 209

Monochromacy



Original Color

99, 155, 205



Achromatopsia

172, 172, 172



Achromatomaly

145, 166, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 155, 205 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, 205, 194)` looks like.

```
.text, #text, p{  
    color:rgb(99, 205, 194)  
}
```

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, 205, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 205, 194) }
```

Border

The CSS property to change the border of an element to RYB 99, 155, 205 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, 205, 194) }
```

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

```
.border{ border-color:rgb(99, 205, 194) }
```

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

Here you see how a box with a 4 pixel rgb(99, 205, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 205, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 205, 194);  
box-shadow:4px 4px 4px 4px rgb(99, 205,  
194) }
```

Background

The CSS property to change the background color of an element to RYB 99, 155, 205 is called "background".

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

```
.background, #background, body{  
background: rgb(99, 205, 194) }
```

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

```
.background{ background-color: rgb(99, 205,  
194) }
```

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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