

Converting Colors

`RYB(99, 171, 211)`

Have a look what the booklet for
RYB(99, 171, 211) contains.

RYB(99, 171, 211)	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

R_YB(99, 171, 211)

Conversions

Conversions Part 1

Format	Color
Hex	63D3A1
RGB	99, 211, 161
RGB Percent	39%, 83%, 63%
CMY	0.6118, 0.1725, 0.3678
CMYK	0.53, 0.00, 0.24, 0.17
HSL	153°, 56%, 61%
HSV	153°, 53%, 83%
XYZ	34.8925, 51.8222, 41.9847
YIQ	171.8120, -50.7020, -39.2940

Conversions

Conversions Part 2

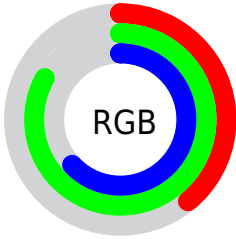
Format	Color
RYB	99, 171, 211
Decimal	6542241
CIELab	77.17, -43.60, 15.07
CIELCh	77, 46.132, 160.926
Yxy	51.8222, 0.2711, 0.4027
Android (android.graphics.Color)	4284732321 (0xFF63D3A1)
YUV	171.8120, -5.3303, -63.8561
Hunter-Lab	71.9877, -39.4593, 15.8122

Details

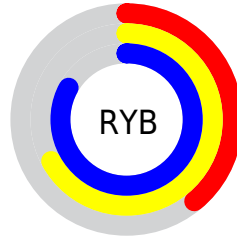
The RYB color **99, 171, 211** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **211, 99, 149**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **157, 218, 255**, and **34, 110, 156** is the 20% darker color. If you saturate the color by 10%, you get **78, 163, 211**, and if you desaturate by 10%, it is **120, 178, 211**.

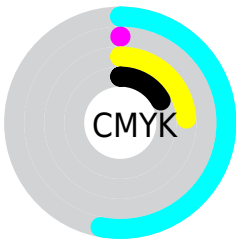
Distribution



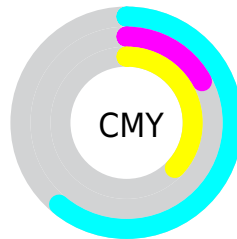
- Red (39%)
- Green (83%)
- Blue (63%)



- Red (39%)
- Yellow (67%)
- Blue (83%)



- Cyan (53%)
- Magenta (0%)
- Yellow (24%)
- Black (17%)


















- Cyan (61%)
- Magenta (17%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the RYB color 99, 171, 211 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, 171, 211 by changing the saturation by 10% instead.


 99, 171, 211	 99, 171, 211
 255, 255, 255	 69, 141, 183
 157, 218, 255	 34, 109, 156
 186, 223, 255	 0, 78, 129
 215, 235, 255	 0, 64, 103
 245, 250, 255	 0, 52, 78
	 0, 40, 54
	 0, 33, 33
	 0, 0, 0


 99, 171, 211  99, 171, 211


 78, 163, 211


 120, 178, 211

 57, 156, 211


 141, 186, 211

 36, 149, 211

 162, 194, 211

 15, 141, 211

 183, 201, 211

 0, 136, 211

 205, 209, 211

 226, 211, 217

 247, 211, 227

 255, 211, 236

 255, 211, 246

Harmonies

Analogous

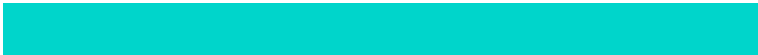
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



124, 204, 172



99, 171, 211



0, 109, 213

Triad

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



99, 171, 211



152, 180, 255



255, 172, 137

Complementary

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



99, 171, 211



211, 99, 149

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, 156, 176



99, 171, 211



215, 174, 255

Square

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



99, 171, 211



62, 143, 255



255, 160, 220



228, 241, 110

Rectangle

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



99, 171, 211



0, 111, 233



255, 160, 220



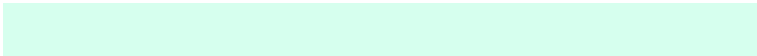
255, 161, 149

Sweetspot

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



99, 171, 211



214, 240, 255



99, 211, 161



103, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



99, 171, 211



92, 197, 255



99, 153, 211



94, 101, 105



0, 108, 168



0, 26, 41

Inverse Universe

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



211, 99, 149



255, 92, 164



211, 105, 99



105, 94, 99



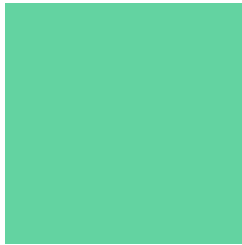
168, 0, 75



41, 0, 18

Previews

White Background



This preview shows how the RYB color 99, 171, 211 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, 171, 211 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, 171, 211 Background



This preview shows how black text looks on a background with the RYB color 99, 171, 211.

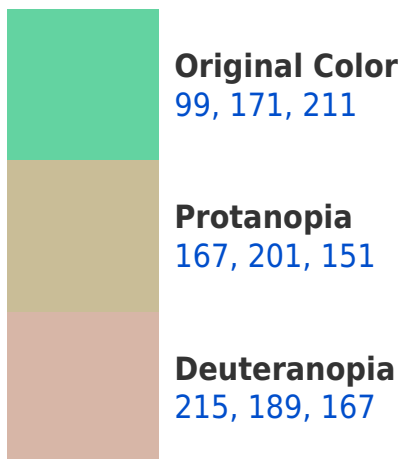


This preview shows how white text looks on a background with the RYB color 99, 171, 211.

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
116, 163, 220

Trichromacy



Original Color

99, 171, 211



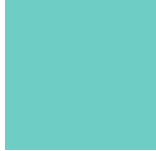
Protanomaly

155, 197, 188



Deuteranomaly

165, 193, 185



Tritanomaly

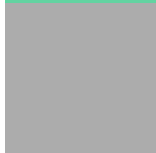
110, 160, 206

Monochromacy



Original Color

99, 171, 211



Achromatopsia

172, 172, 172



Achromatomaly

145, 171, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 171, 211 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, 211, 161)` looks like.

```
.text, #text, p{  
    color:rgb(99, 211, 161)  
}
```

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, 211, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 211, 161) }
```

Border

The CSS property to change the border of an element to RYB 99, 171, 211 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, 211, 161) }
```

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

```
.border{ border-color:rgb(99, 211, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 211, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 211, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 211, 161);  
box-shadow:4px 4px 4px 4px rgb(99, 211,  
161) }
```

Background

The CSS property to change the background color of an element to RGB 99, 171, 211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 211, 161) }
```

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

```
.background{ background-color: rgb(99, 211,  
161) }
```

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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