

Converting Colors

`RYB(77, 153, 201)`

Have a look what the booklet for
RYB(77, 153, 201) contains.

RYB(77, 153, 201)	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(77, 153, 201)`

Conversions

Conversions Part 1

Format	Color
Hex	4DC99B
RGB	77, 201, 155
RGB Percent	30%, 79%, 61%
CMY	0.6980, 0.2118, 0.3909
CMYK	0.62, 0.00, 0.23, 0.21
HSL	158°, 53%, 55%
HSV	158°, 62%, 79%
XYZ	29.8902, 45.7283, 38.4006
YIQ	158.6800, -59.1380, -40.5940

Conversions

Conversions Part 2

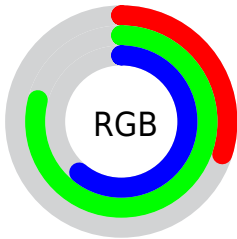
Format	Color
RYB	77, 153, 201
Decimal	5097883
CIELab	73.37, -45.19, 12.78
CIELCh	73, 46.966, 164.210
Yxy	45.7283, 0.2622, 0.4011
Android (android.graphics.Color)	4283287963 (0xFF4DC99B)
YUV	158.6800, -1.8142, -71.6334
Hunter-Lab	67.6227, -39.4402, 13.6671

Details

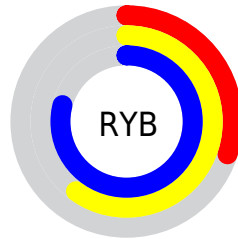
The RYB color **77, 153, 201** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **201, 77, 123**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **137, 210, 255**, and **0, 85, 146** is the 20% darker color. If you saturate the color by 10%, you get **57, 145, 201**, and if you desaturate by 10%, it is **97, 161, 201**.

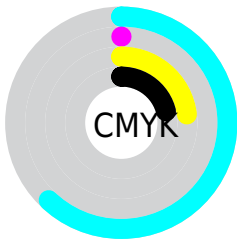
Distribution



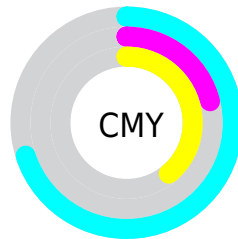
- Red (30%)
- Green (79%)
- Blue (61%)



- Red (30%)
- Yellow (60%)
- Blue (79%)



- Cyan (62%)
- Magenta (0%)
- Yellow (23%)
- Black (21%)





- Cyan (70%)
- Magenta (21%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the RYB color 77, 153, 201 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 77, 153, 201 by changing the saturation by 10% instead.

 77, 153, 201

 77, 153, 201

255, 255, 255

 42, 121, 173

 137, 210, 255

 0, 85, 146

 167, 216, 255

 0, 72, 120

 196, 226, 255

 0, 59, 94


 226, 241, 255


 0, 46, 69

 0, 35, 46

 0, 20, 20

 0, 0, 0

 77, 153, 201

 77, 153, 201

■ 57, 145, 201

■ 97, 161, 201

■ 37, 137, 201

■ 117, 169, 201

■ 17, 130, 201

■ 137, 176, 201

■ 0, 123, 201

■ 157, 184, 201

■ 178, 192, 201

■ 198, 200, 201

■ 218, 201, 207

■ 238, 201, 215

■ 255, 201, 222

Harmonies

Analogous

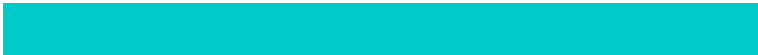
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



117, 195, 173



77, 153, 201



0, 102, 203

Triad

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



77, 153, 201



148, 171, 255



254, 166, 122

Complementary

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



77, 153, 201



201, 77, 123

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, 146, 161



77, 153, 201



210, 161, 242

Square

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



77, 153, 201



51, 134, 255



249, 148, 205



196, 226, 97

Rectangle

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



77, 153, 201



0, 107, 227



249, 148, 205



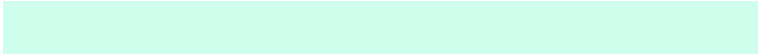
255, 154, 134

Sweetspot

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



77, 153, 201



207, 237, 255



77, 201, 153



98, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



77, 153, 201



66, 182, 255



77, 135, 201



90, 95, 99



0, 100, 163



0, 22, 36

Inverse Universe

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



201, 77, 123



255, 66, 136



201, 93, 77



99, 90, 93



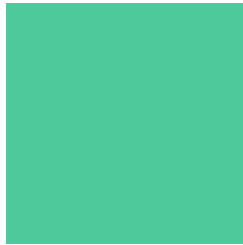
163, 0, 60



36, 0, 13

Previews

White Background



This preview shows how the RYB color 77, 153, 201 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 77, 153, 201 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 77, 153, 201 Background



This preview shows how black text looks on a background with the RYB color 77, 153, 201.

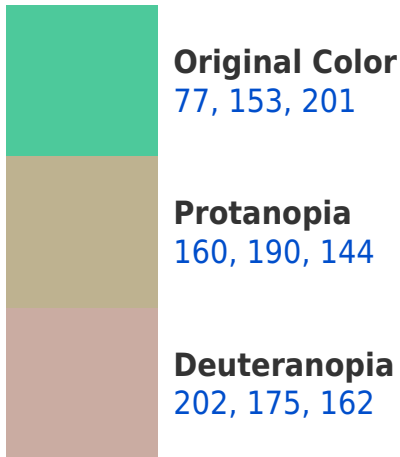


This preview shows how white text looks on a background with the RYB color 77, 153, 201.

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
96, 148, 209

Trichromacy



Original Color

77, 153, 201



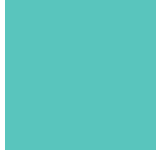
Protanomaly

148, 186, 185



Deuteranomaly

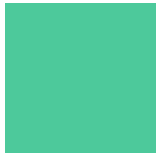
157, 180, 183



Tritanomaly

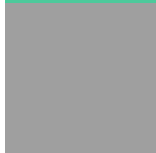
89, 145, 197

Monochromacy



Original Color

77, 153, 201



Achromatopsia

159, 159, 159



Achromatomaly

129, 156, 174

CSS Examples

Text

The CSS property to change the color of the text to RYB 77, 153, 201 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(77, 201, 155)` looks like.

```
.text, #text, p{  
    color:rgb(77, 201, 155)  
}
```

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(77, 201, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 201, 155) }
```

Border

The CSS property to change the border of an element to RYB 77, 153, 201 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(77, 201, 155) }
```

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

```
.border{ border-color:rgb(77, 201, 155) }
```

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

Here you see how a box with a 4 pixel rgb(77, 201, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 201, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 201, 155);  
box-shadow:4px 4px 4px 4px rgb(77, 201,  
155) }
```

Background

The CSS property to change the background color of an element to RGB 77, 153, 201 is called "background".

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

```
.background, #background, body{  
background: rgb(77, 201, 155) }
```

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

```
.background{ background-color: rgb(77, 201,  
155) }
```

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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