

Converting Colors

`RYB(77, 149, 203)`

Have a look what the booklet for
RYB(77, 149, 203) contains.

RYB(77, 149, 203)	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(77, 149, 203)

Conversions

Conversions Part 1

Format	Color
Hex	4DCBAC
RGB	77, 203, 172
RGB Percent	30%, 80%, 67%
CMY	0.6980, 0.2039, 0.3275
CMYK	0.62, 0.00, 0.16, 0.20
HSL	165°, 55%, 55%
HSV	165°, 62%, 80%
XYZ	31.8150, 47.2490, 46.2216
YIQ	161.7920, -65.1450, -36.3530

Conversions

Conversions Part 2

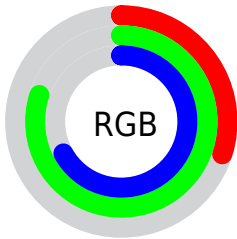
Format	Color
RYB	77, 149, 203
Decimal	5098412
CIELab	74.35, -42.27, 5.46
CIElCh	74, 42.622, 172.637
Yxy	47.2490, 0.2539, 0.3771
Android (android.graphics.Color)	4283288492 (0xFF4DCBAC)
YUV	161.7920, 5.0325, -74.3626
Hunter-Lab	68.7379, -37.6737, 8.2481

Details

The RYB color **77, 149, 203** 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 **203, 77, 109**, and the grayscale version is **162, 162, 162**.

A 20% lighter version of the original color is **138, 204, 255**, and **0, 82, 148** is the 20% darker color. If you saturate the color by 10%, you get **57, 141, 203**, and if you desaturate by 10%, it is **97, 157, 203**.

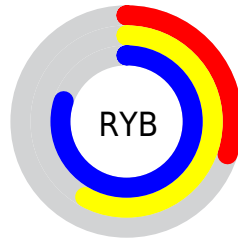
Distribution



Red (30%)

Green (80%)

Blue (67%)



Red (30%)

Yellow (58%)

Blue (80%)

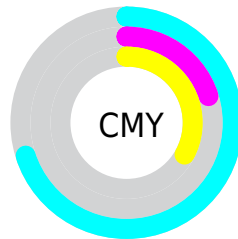


Cyan (62%)

Magenta (0%)

Yellow (16%)

Black (20%)



Cyan (70%)


Magenta (20%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the RYB color 77, 149, 203 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, 149, 203 by changing the saturation by 10% instead.

 77, 149, 203

 77, 149, 203


255, 255, 255

 41, 116, 175

 138, 204, 255

 0, 82, 148

 168, 212, 255

 0, 69, 122

 197, 226, 255

 0, 55, 96


 227, 241, 255


 0, 42, 71

 0, 30, 48

 0, 22, 24

 0, 0, 0

 77, 149, 203

 77, 149, 203

■ 57, 141, 203

■ 97, 157, 203

■ 36, 132, 203

■ 118, 166, 203

■ 16, 123, 203

■ 138, 175, 203

■ 0, 116, 203

■ 158, 184, 203

■ 179, 193, 203

■ 199, 201, 203

■ 219, 203, 207

■ 239, 203, 212

■ 255, 203, 217

Harmonies

Analogous

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



132, 196, 198



77, 149, 203



0, 104, 212

Triad

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



77, 149, 203



173, 176, 255



245, 186, 122

Complementary

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



77, 149, 203



203, 77, 109

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, 153, 155



77, 149, 203



223, 162, 231

Square

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



77, 149, 203



105, 159, 255



252, 153, 194



167, 217, 105

Rectangle

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



77, 149, 203



0, 108, 235



252, 153, 194



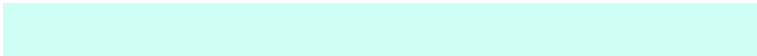
252, 167, 132

Sweetspot

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



77, 149, 203



207, 234, 255



77, 203, 171



98, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



77, 149, 203



66, 174, 255



77, 131, 203



92, 98, 102



0, 95, 166



0, 22, 38

Inverse Universe

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



203, 77, 109



255, 66, 113



203, 120, 77



102, 92, 94



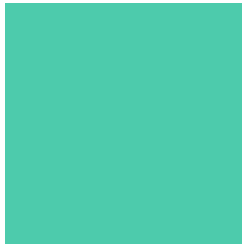
166, 0, 41



38, 0, 10

Previews

White Background



This preview shows how the RYB color 77, 149, 203 looks on a white background.

Color Contrast Check

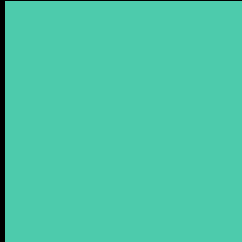
Large Text (above 18pt) WCAG AA × Fail

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, 149, 203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

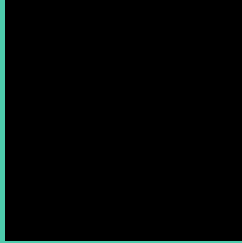
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

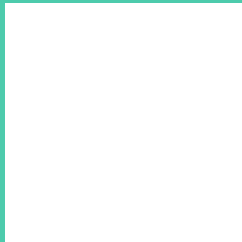
Any Text WCAG AAA ✓ Pass

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

RYB 77, 149, 203 Background



This preview shows how black text looks on a background with the RYB color 77, 149, 203.

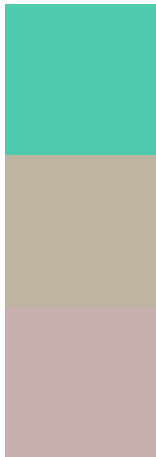


This preview shows how white text looks on a background with the RYB color 77, 149, 203.

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



Original Color
77, 149, 203

Protanopia
173, 190, 160

Deuteranopia
200, 176, 177



Tritanopia
93, 149, 213

Trichromacy



Original Color

77, 149, 203



Protanomaly

149, 178, 189



Deuteranomaly

155, 174, 186



Tritanomaly

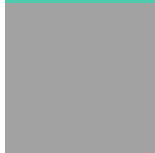
87, 143, 199

Monochromacy



Original Color

77, 149, 203



Achromatopsia

162, 162, 162



Achromatomaly

131, 157, 177

CSS Examples

Text

The CSS property to change the color of the text to RYB 77, 149, 203 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, 203, 172)` looks like.

```
.text, #text, p{  
    color:rgb(77, 203, 172)  
}
```

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, 203, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 203, 172) }
```

Border

The CSS property to change the border of an element to RYB 77, 149, 203 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, 203, 172) }
```

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

```
.border{ border-color:rgb(77, 203, 172) }
```

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

Here you see how a box with a 4 pixel rgb(77, 203, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 203, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 203, 172);  
box-shadow:4px 4px 4px 4px rgb(77, 203,  
172) }
```

Background

The CSS property to change the background color of an element to RYB 77, 149, 203 is called "background".

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

```
.background, #background, body{  
background: rgb(77, 203, 172) }
```

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

```
.background{ background-color: rgb(77, 203,  
172) }
```

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