

Converting Colors

`RYB(73, 147, 202)`

Have a look what the booklet for
RYB(73, 147, 202) contains.

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Color

$\text{RYB}(73, 147, 202)$

Conversions

Conversions Part 1

Format	Color
Hex	49CAA9
RGB	73, 202, 169
RGB Percent	29%, 79%, 66%
CMY	0.7137, 0.2078, 0.3377
CMYK	0.64, 0.00, 0.16, 0.21
HSL	165°, 55%, 54%
HSV	165°, 64%, 79%
XYZ	31.0182, 46.5175, 44.8202
YIQ	159.6670, -66.2910, -37.6110

Conversions

Conversions Part 2

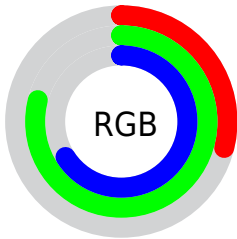
Format	Color
RYB	73, 147, 202
Decimal	4836009
CIELab	73.88, -43.17, 6.19
CIElCh	74, 43.614, 171.842
Yxy	46.5175, 0.2535, 0.3802
Android (android.graphics.Color)	4283026089 (0xFF49CAA9)
YUV	159.6670, 4.6012, -76.0070
Hunter-Lab	68.2038, -38.1771, 8.7801

Details

The RYB color **73, 147, 202** 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 **202, 73, 106**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **135, 204, 255**, and **0, 82, 147** is the 20% darker color. If you saturate the color by 10%, you get **53, 138, 202**, and if you desaturate by 10%, it is **93, 156, 202**.

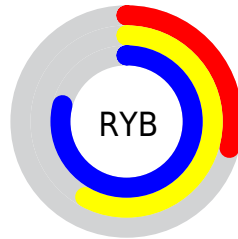
Distribution



Red (29%)

Green (79%)

Blue (66%)



Red (29%)

Yellow (58%)

Blue (79%)

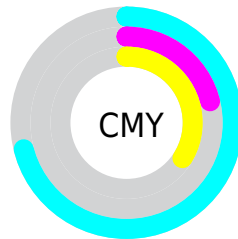


Cyan (64%)

Magenta (0%)

Yellow (16%)

Black (21%)



Cyan (71%)

Magenta (21%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 73, 147, 202 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 73, 147, 202 by changing the saturation by 10% instead.



73, 147, 202



73, 147, 202

255, 255, 255



35, 114, 174



135, 204, 255



0, 82, 147



164, 210, 255



0, 69, 121



194, 225, 255



0, 55, 95



224, 240, 255



0, 42, 70

254, 255, 255



0, 30, 47



0, 22, 22



0, 0, 0



73, 147, 202



73, 147, 202

■ 53, 138, 202

■ 93, 156, 202

■ 33, 130, 202

■ 113, 164, 202

■ 12, 121, 202

■ 134, 173, 202

■ 0, 116, 202

■ 154, 181, 202

■ 174, 190, 202

■ 194, 199, 202

■ 214, 202, 205

■ 235, 202, 210

■ 255, 202, 216

Harmonies

Analogous

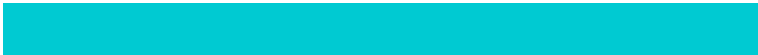
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



131, 197, 197



73, 147, 202



0, 103, 210

Triad

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



73, 147, 202



169, 175, 255



246, 181, 120

Complementary

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



73, 147, 202



202, 73, 106

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, 151, 154



73, 147, 202



221, 161, 231

Square

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



73, 147, 202



98, 156, 255



251, 151, 194



168, 217, 102

Rectangle

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



73, 147, 202



0, 108, 234



251, 151, 194



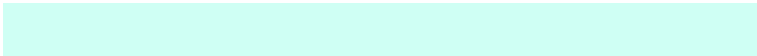
252, 165, 130

Sweetspot

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



73, 147, 202



207, 234, 255



73, 202, 168



98, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



73, 147, 202



59, 171, 255



73, 129, 202



92, 98, 102



0, 95, 166



0, 22, 38

Inverse Universe

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



202, 73, 106



255, 59, 109



202, 112, 73



102, 92, 94



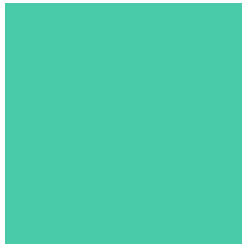
166, 0, 43



38, 0, 10

Previews

White Background



This preview shows how the RYB color 73, 147, 202 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 73, 147, 202 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

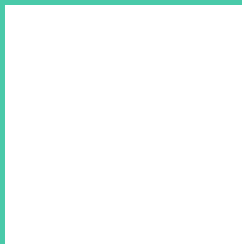
Any Text WCAG AAA ✓ Pass

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

RYB 73, 147, 202 Background



This preview shows how black text looks on a background with the RYB color 73, 147, 202.

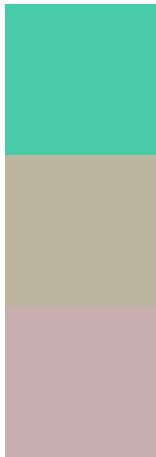


This preview shows how white text looks on a background with the RYB color 73, 147, 202.

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
73, 147, 202

Protanopia
170, 189, 157

Deuteranopia
200, 174, 175



Tritanopia
90, 147, 212

Trichromacy



Original Color

73, 147, 202



Protanomaly

147, 178, 188



Deuteranomaly

154, 172, 184



Tritanomaly

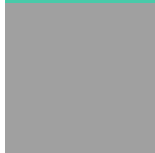
84, 142, 198

Monochromacy



Original Color

73, 147, 202



Achromatopsia

160, 160, 160



Achromatomaly

128, 155, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 73, 147, 202 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(73, 202, 169)` looks like.

```
.text, #text, p{  
    color:rgb(73, 202, 169)  
}
```

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(73, 202, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 202, 169) }
```

Border

The CSS property to change the border of an element to RYB 73, 147, 202 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(73, 202, 169) }
```

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

```
.border{ border-color:rgb(73, 202, 169) }
```

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

Here you see how a box with a 4 pixel rgb(73, 202, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 202, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 202, 169);  
box-shadow:4px 4px 4px 4px rgb(73, 202,  
169) }
```

Background

The CSS property to change the background color of an element to RGB 73, 147, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 202, 169) }
```

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

```
.background{ background-color: rgb(73, 202,  
169) }
```

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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