

Converting Colors

`RYB(73, 164, 212)`

Have a look what the booklet for
RYB(73, 164, 212) contains.

RYB(73, 164, 212)	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

$\text{RYB}(73, 164, 212)$

Conversions

Conversions Part 1

Format	Color
Hex	49D492
RGB	73, 212, 146
RGB Percent	29%, 83%, 57%
CMY	0.7137, 0.1686, 0.4262
CMYK	0.66, 0.00, 0.31, 0.17
HSL	152°, 62%, 56%
HSV	152°, 66%, 83%
XYZ	31.5043, 50.5887, 35.4284
YIQ	162.9150, -61.6580, -49.9940

Conversions

Conversions Part 2

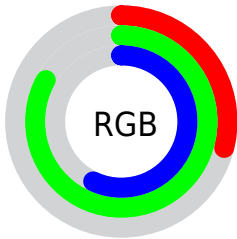
Format	Color
RYB	73, 164, 212
Decimal	4838546
CIELab	76.43, -52.37, 21.80
CIELCh	76, 56.728, 157.400
Yxy	50.5887, 0.2681, 0.4305
Android (android.graphics.Color)	4283028626 (0xFF49D492)
YUV	162.9150, -8.3391, -78.8555
Hunter-Lab	71.1257, -45.4056, 20.2551

Details

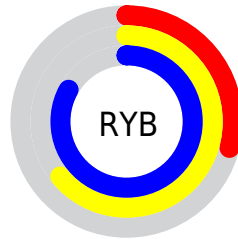
The RYB color **73, 164, 212** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **212, 73, 139**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **136, 213, 255**, and **0, 97, 156** is the 20% darker color. If you saturate the color by 10%, you get **52, 157, 212**, and if you desaturate by 10%, it is **94, 171, 212**.

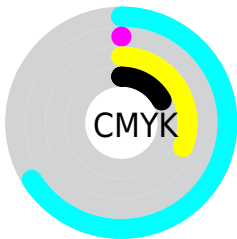
Distribution



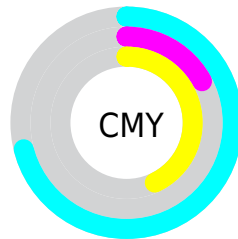
- Red (29%)
- Green (83%)
- Blue (57%)



- Red (29%)
- Yellow (64%)
- Blue (83%)



- Cyan (66%)
- Magenta (0%)
- Yellow (31%)
- Black (17%)




- Cyan (71%)
- Magenta (17%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 73, 164, 212 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, 164, 212 by changing the saturation by 10% instead.

 73, 164, 212


255, 255, 255


 136, 213, 255

 166, 218, 255

 195, 225, 255

 226, 241, 255

 73, 164, 212

 33, 129, 184

 0, 97, 156

 0, 83, 129


 0, 70, 103


 0, 59, 78

 0, 52, 54

 0, 31, 31

 0, 0, 0

 73, 164, 212

 73, 164, 212

■ 52, 157, 212

■ 94, 171, 212

■ 31, 150, 212

■ 115, 179, 212

■ 9, 142, 212

■ 137, 186, 212

■ 0, 139, 212

■ 158, 194, 212

■ 179, 201, 212

■ 200, 208, 212

■ 221, 212, 216

■ 243, 212, 226

■ 255, 212, 236

Harmonies

Analogous

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



102, 204, 155



73, 164, 212



0, 111, 215

Triad

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



73, 164, 212



120, 166, 255



255, 159, 128

Complementary

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



73, 164, 212



212, 73, 139

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, 143, 177



73, 164, 212



210, 170, 255

Square

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



73, 164, 212



0, 114, 255



255, 151, 230



251, 251, 91

Rectangle

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



73, 164, 212



0, 112, 235



255, 151, 230



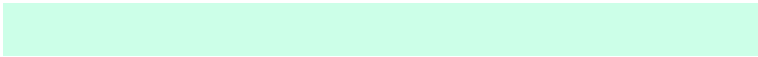
255, 148, 143

Sweetspot

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



73, 164, 212



204, 237, 255



73, 212, 145



97, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



73, 164, 212



54, 186, 255



73, 142, 212



96, 103, 107



0, 112, 171



0, 28, 43

Inverse Universe

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



212, 73, 139



255, 54, 149



212, 75, 73



107, 96, 101



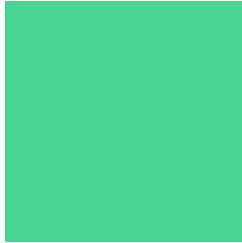
171, 0, 81



43, 0, 20

Previews

White Background



This preview shows how the RYB color 73, 164, 212 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, 164, 212 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, 164, 212 Background



This preview shows how black text looks on a background with the RYB color 73, 164, 212.

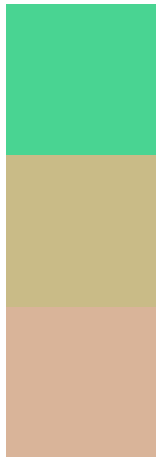


This preview shows how white text looks on a background with the RYB color 73, 164, 212.

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, 164, 212

Protanopia
153, 201, 135

Deuteranopia
217, 200, 153



Tritanopia
99, 155, 219

Trichromacy



Original Color

73, 164, 212



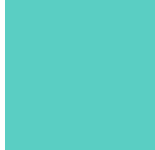
Protanomaly

139, 196, 181



Deuteranomaly

151, 192, 178



Tritanomaly

90, 151, 206

Monochromacy



Original Color

73, 164, 212



Achromatopsia

163, 163, 163



Achromatomaly

130, 163, 181

CSS Examples

Text

The CSS property to change the color of the text to RYB 73, 164, 212 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, 212, 146)` looks like.

```
.text, #text, p{  
    color:rgb(73, 212, 146)  
}
```

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, 212, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 212, 146) }
```

Border

The CSS property to change the border of an element to RYB 73, 164, 212 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, 212, 146) }
```

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

```
.border{ border-color:rgb(73, 212, 146) }
```

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

Here you see how a box with a 4 pixel rgb(73, 212, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 212, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 212, 146);  
box-shadow:4px 4px 4px 4px rgb(73, 212,  
146) }
```

Background

The CSS property to change the background color of an element to RGB 73, 164, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 212, 146) }
```

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

```
.background{ background-color: rgb(73, 212,  
146) }
```

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