

Converting Colors

`RYB(74, 153, 211)`

Have a look what the booklet for
RYB(74, 153, 211) contains.

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Color

$\text{RYB}(74, 153, 211)$

Conversions

Conversions Part 1

Format	Color
Hex	4AD3AF
RGB	74, 211, 175
RGB Percent	29%, 83%, 69%
CMY	0.7098, 0.1725, 0.3154
CMYK	0.65, 0.00, 0.17, 0.17
HSL	164°, 61%, 56%
HSV	164°, 65%, 83%
XYZ	33.8152, 51.1231, 48.4282
YIQ	165.9330, -70.0960, -40.2400

Conversions

Conversions Part 2

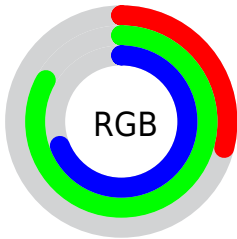
Format	Color
RYB	74, 153, 211
Decimal	4903855
CIELab	76.75, -45.51, 7.25
CIELCh	77, 46.082, 170.943
Yxy	51.1231, 0.2536, 0.3833
Android (android.graphics.Color)	4283093935 (0xFF4AD3AF)
YUV	165.9330, 4.4700, -80.6252
Hunter-Lab	71.5004, -40.7065, 9.8924

Details

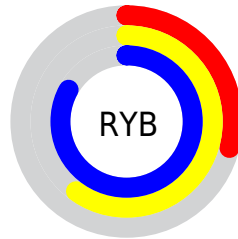
The RYB color **74, 153, 211** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **211, 74, 110**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **137, 203, 255**, and **0, 87, 156** is the 20% darker color. If you saturate the color by 10%, you get **53, 144, 211**, and if you desaturate by 10%, it is **95, 162, 211**.

Distribution



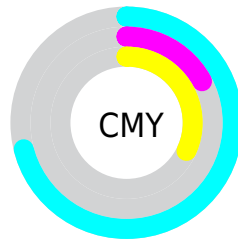
- Red (29%)
- Green (83%)
- Blue (69%)



- Red (29%)
- Yellow (60%)
- Blue (83%)



- Cyan (65%)
- Magenta (0%)
- Yellow (17%)
- Black (17%)





- Cyan (71%)
- Magenta (17%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the RYB color 74, 153, 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 74, 153, 211 by changing the saturation by 10% instead.

 74, 153, 211

 74, 153, 211

255, 255, 255

 34, 118, 183

 137, 203, 255

 0, 88, 156

 167, 211, 255

 0, 74, 129

 197, 226, 255

 0, 60, 103


 227, 241, 255


 0, 47, 78

 0, 35, 54

 0, 27, 32

 0, 0, 0

 74, 153, 211

 74, 153, 211

■ 53, 144, 211

■ 95, 162, 211

■ 32, 135, 211

■ 116, 171, 211

■ 11, 126, 211

■ 137, 180, 211

■ 0, 122, 211

■ 158, 189, 211

■ 180, 198, 211

■ 201, 207, 211

■ 222, 211, 214

■ 243, 211, 219

■ 255, 211, 225

Harmonies

Analogous

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



134, 206, 203



74, 153, 211



0, 107, 218

Triad

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



74, 153, 211



174, 182, 255



255, 187, 125

Complementary

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



74, 153, 211



211, 74, 110

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, 157, 161



74, 153, 211



230, 167, 244

Square

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



74, 153, 211



96, 158, 255



255, 156, 204



177, 228, 104

Rectangle

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



74, 153, 211



0, 113, 244



255, 156, 204



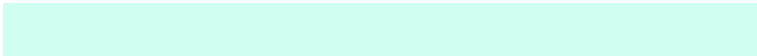
255, 171, 136

Sweetspot

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



74, 153, 211



207, 235, 255



74, 211, 174



98, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



74, 153, 211



56, 171, 255



74, 133, 211



94, 100, 105



0, 97, 168



0, 24, 41

Inverse Universe

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



211, 74, 110



255, 56, 109



211, 116, 74



105, 94, 97



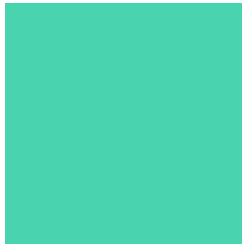
168, 0, 45



41, 0, 11

Previews

White Background



This preview shows how the RYB color 74, 153, 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 74, 153, 211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

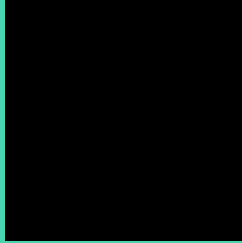
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

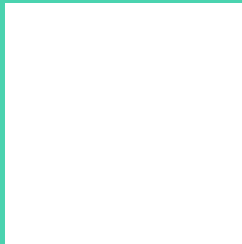
Any Text WCAG AAA ✓ Pass

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

RYB 74, 153, 211 Background



This preview shows how black text looks on a background with the RYB color 74, 153, 211.

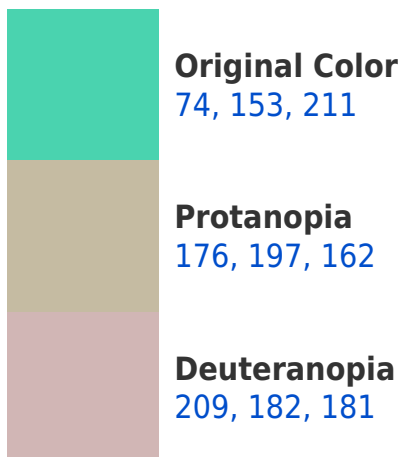


This preview shows how white text looks on a background with the RYB color 74, 153, 211.

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





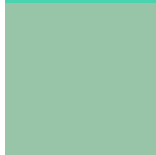
Tritanopia
93, 153, 221

Trichromacy



Original Color

74, 153, 211



Protanomaly

152, 185, 196



Deuteranomaly

160, 181, 193



Tritanomaly

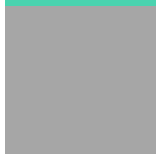
86, 147, 207

Monochromacy



Original Color

74, 153, 211



Achromatopsia

166, 166, 166



Achromatomaly

133, 161, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 74, 153, 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(74, 211, 175)` looks like.

```
.text, #text, p{  
    color:rgb(74, 211, 175)  
}
```

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(74, 211, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 211, 175) }
```

Border

The CSS property to change the border of an element to RYB 74, 153, 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(74, 211, 175) }
```

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

```
.border{ border-color:rgb(74, 211, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 211, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 211, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 211, 175);  
box-shadow:4px 4px 4px 4px rgb(74, 211,  
175) }
```

Background

The CSS property to change the background color of an element to RYB 74, 153, 211 is called "background".

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

```
.background, #background, body{  
background: rgb(74, 211, 175) }
```

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

```
.background{ background-color: rgb(74, 211,  
175) }
```

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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