

Converting Colors

`RYB(75, 164, 217)`

Have a look what the booklet for
RYB(75, 164, 217) contains.

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Color

$\text{RYB}(75, 164, 217)$

Conversions

Conversions Part 1

Format	Color
Hex	4BD9A0
RGB	75, 217, 160
RGB Percent	29%, 85%, 63%
CMY	0.7059, 0.1490, 0.3743
CMYK	0.65, 0.00, 0.26, 0.15
HSL	156°, 65%, 57%
HSV	156°, 65%, 85%
XYZ	34.0214, 53.6443, 41.6183
YIQ	168.0440, -66.3350, -47.8310

Conversions

Conversions Part 2

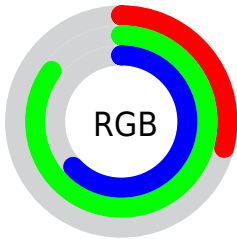
Format	Color
RYB	75, 164, 217
Decimal	4970912
CIELab	78.25, -51.26, 17.36
CIElCh	78, 54.116, 161.288
Yxy	53.6443, 0.2632, 0.4149
Android (android.graphics.Color)	4283160992 (0xFF4BD9A0)
YUV	168.0440, -3.9657, -81.5996
Hunter-Lab	73.2423, -45.2599, 17.5793

Details

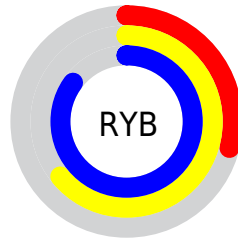
The RYB color **75, 164, 217** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **217, 75, 132**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **138, 209, 255**, and **0, 96, 161** is the 20% darker color. If you saturate the color by 10%, you get **53, 156, 217**, and if you desaturate by 10%, it is **97, 172, 217**.

Distribution



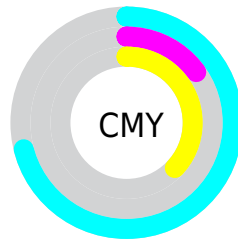
- Red (29%)
- Green (85%)
- Blue (63%)



- Red (29%)
- Yellow (64%)
- Blue (85%)



- Cyan (65%)
- Magenta (0%)
- Yellow (26%)
- Black (15%)


















- Cyan (71%)
- Magenta (15%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 75, 164, 217 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 75, 164, 217 by changing the saturation by 10% instead.

 75, 164, 217	 75, 164, 217
 255, 255, 255	 35, 129, 189
 138, 209, 255	 0, 96, 161
 168, 215, 255	 0, 83, 134
 198, 227, 255	 0, 69, 108
 228, 242, 255	 0, 56, 82
	 0, 45, 58
	 0, 35, 35
	 0, 0, 0

 75, 164, 217  75, 164, 217

■ 53, 156, 217

■ 97, 172, 217

■ 32, 148, 217

■ 118, 180, 217

■ 10, 140, 217

■ 140, 188, 217

■ 0, 136, 217

■ 162, 196, 217

■ 183, 204, 217

■ 205, 213, 217

■ 227, 217, 221

■ 249, 217, 230

■ 255, 217, 239

Harmonies

Analogous

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



115, 210, 175



75, 164, 217



0, 111, 219

Triad

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



75, 164, 217



144, 178, 255



255, 173, 130

Complementary

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



75, 164, 217



217, 75, 132

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, 152, 176



75, 164, 217



222, 173, 255

Square

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



75, 164, 217



0, 115, 255



255, 156, 227



228, 250, 98

Rectangle

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



75, 164, 217



0, 115, 244



255, 156, 227



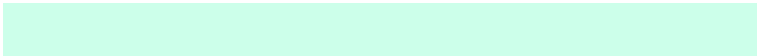
255, 159, 144

Sweetspot

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



75, 164, 217



204, 236, 255



75, 217, 158



97, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



75, 164, 217



54, 180, 255



75, 143, 217



99, 106, 110



0, 108, 173



0, 29, 46

Inverse Universe

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



217, 75, 132



255, 54, 135



217, 88, 75



110, 99, 103



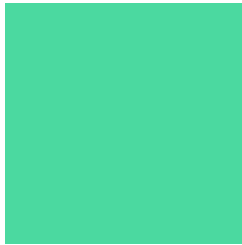
173, 0, 70



46, 0, 19

Previews

White Background



This preview shows how the RYB color 75, 164, 217 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 75, 164, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

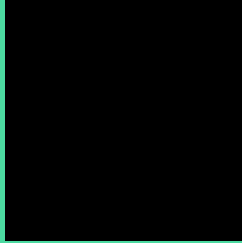
Any Text WCAG AA ✓ Pass

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 75, 164, 217 Background



This preview shows how black text looks on a background with the RYB color 75, 164, 217.

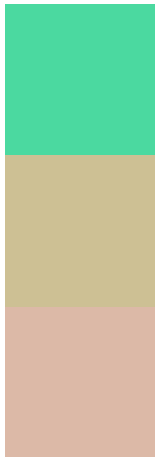


This preview shows how white text looks on a background with the RYB color 75, 164, 217.

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](#).

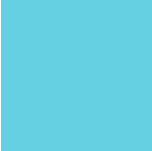
Dichromacy



Original Color
75, 164, 217

Protanopia
165, 205, 148

Deuteranopia
220, 194, 167



Tritanopia
100, 158, 225

Trichromacy



Original Color

75, 164, 217



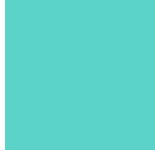
Protanomaly

152, 201, 195



Deuteranomaly

164, 197, 194



Tritanomaly

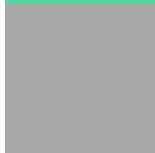
91, 154, 211

Monochromacy



Original Color

75, 164, 217



Achromatopsia

168, 168, 168



Achromatomaly

134, 167, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 75, 164, 217 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(75, 217, 160)` looks like.

```
.text, #text, p{  
    color:rgb(75, 217, 160)  
}
```

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(75, 217, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 217, 160) }
```

Border

The CSS property to change the border of an element to RYB 75, 164, 217 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(75, 217, 160) }
```

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

```
.border{ border-color:rgb(75, 217, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 217, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(75, 217, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(75, 217, 160); box-shadow:4px 4px 4px 4px rgb(75, 217, 160) }
```

Background

The CSS property to change the background color of an element to RGB 75, 164, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 217, 160) }
```

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

```
.background{ background-color: rgb(75, 217,  
160) }
```

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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