

Converting Colors

`RYB(78, 215, 210)`

Have a look what the booklet for
RYB(78, 215, 210) contains.

RYB(78, 215, 210)	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

$\text{RYB}(78, 215, 210)$

Conversions

Conversions Part 1

Format	Color
Hex	53D74E
RGB	83, 215, 78
RGB Percent	33%, 84%, 31%
CMY	0.6745, 0.1569, 0.6941
CMYK	0.61, 0.00, 0.64, 0.16
HSL	118°, 63%, 57%
HSV	118°, 64%, 84%
XYZ	29.2429, 50.9899, 15.5085
YIQ	159.9140, -34.6950, -70.5910

Conversions

Conversions Part 2

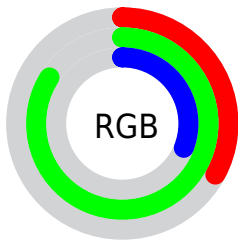
Format	Color
RYB	78, 215, 210
Decimal	5494606
CIELab	76.67, -61.91, 55.33
CIELCh	77, 83.032, 138.210
Yxy	50.9899, 0.3054, 0.5326
Android (android.graphics.Color)	4283684686 (0xFF53D74E)
YUV	159.9140, -40.3836, -67.4536
Hunter-Lab	71.4072, -51.8629, 37.1082

Details

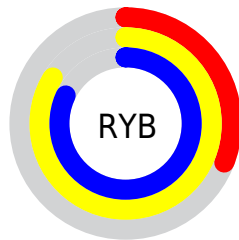
The RYB color **78, 215, 210** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **210, 78, 215**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **132, 255, 242**, and **0, 143, 159** is the 20% darker color. If you saturate the color by 10%, you get **56, 215, 209**, and if you desaturate by 10%, it is **100, 215, 211**.

Distribution



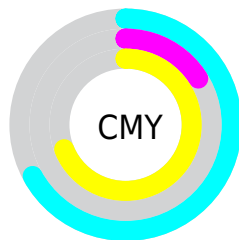
- Red (33%)
- Green (84%)
- Blue (31%)



- Red (31%)
- Yellow (84%)
- Blue (82%)



- Cyan (61%)
- Magenta (0%)
- Yellow (64%)
- Black (16%)



- Cyan (67%)
- Magenta (16%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 215, 210 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 78, 215, 210 by changing the saturation by 10% instead.

 78, 215, 210

255, 255, 255

 132, 255, 242


 160, 255, 240

 188, 255, 237

 216, 255, 235

 245, 255, 245


 78, 215, 210

 46, 183, 187


 0, 143, 159

 0, 132, 132

 0, 105, 105

 0, 80, 80

 0, 56, 56

 0, 31, 31

 0, 0, 0

 78, 215, 210

 78, 215, 210

■ 56, 215, 209

■ 100, 215, 211

■ 35, 215, 208

■ 121, 215, 212

■ 13, 215, 207

■ 143, 215, 213

■ 0, 215, 207

■ 164, 215, 213

■ 186, 215, 214

■ 207, 215, 215

■ 228, 215, 229

■ 249, 215, 250

■ 255, 215, 255

Harmonies

Analogous

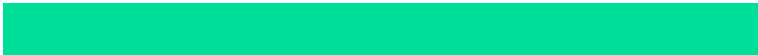
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0, 200, 19



78, 215, 210



0, 132, 223

Triad

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



78, 215, 210



0, 114, 255



255, 113, 146

Complementary

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



78, 215, 210



210, 78, 215

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, 114, 223



78, 215, 210



121, 163, 255

Square

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



78, 215, 210



0, 118, 255



251, 146, 255



255, 182, 75

Rectangle

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



78, 215, 210



0, 117, 225



251, 146, 255



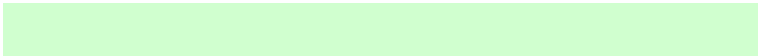
255, 109, 171

Sweetspot

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



78, 215, 210



207, 255, 254



85, 215, 78



98, 128, 127



0, 0, 0



128, 128, 128

Same Dimension

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



78, 215, 210



61, 255, 248



78, 172, 215



96, 107, 106



0, 171, 165



0, 43, 41

Inverse Universe

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



210, 78, 215



248, 61, 255



215, 78, 153



107, 96, 107



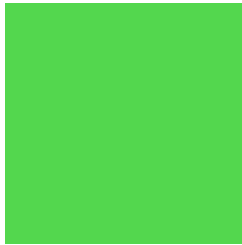
165, 0, 171



42, 0, 43

Previews

White Background



This preview shows how the RYB color 78, 215, 210 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 78, 215, 210 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 78, 215, 210 Background



This preview shows how black text looks on a background with the RYB color 78, 215, 210.

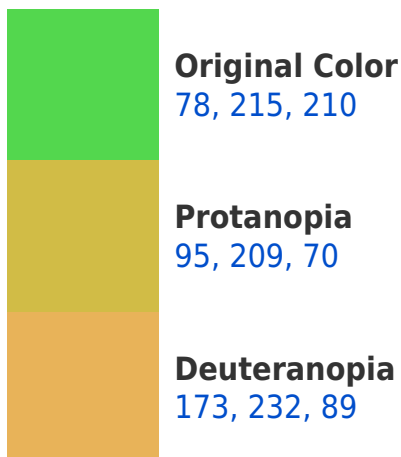


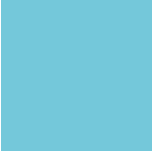
This preview shows how white text looks on a background with the RYB color 78, 215, 210.

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
116, 162, 218

Trichromacy



Original Color

78, 215, 210



Protanomaly

73, 198, 108



Deuteranomaly

85, 192, 99



Tritanomaly

104, 167, 206

Monochromacy



Original Color

78, 215, 210



Achromatopsia

160, 160, 160



Achromatomaly

130, 180, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 215, 210 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(83, 215, 78)` looks like.

```
.text, #text, p{  
    color:rgb(83, 215, 78)  
}
```

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(83, 215, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 215, 78) }
```

Border

The CSS property to change the border of an element to RYB 78, 215, 210 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(83, 215, 78) }
```

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

```
.border{ border-color:rgb(83, 215, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 215, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 215, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 215, 78);  
box-shadow:4px 4px 4px 4px rgb(83, 215,  
78) }
```

Background

The CSS property to change the background color of an element to RGB 78, 215, 210 is called "background".

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

```
.background, #background, body{  
background: rgb(83, 215, 78) }
```

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

```
.background{ background-color: rgb(83, 215,  
78) }
```

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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