

Converting Colors

`RYB(45, 207, 210)`

Have a look what the booklet for
RYB(45, 207, 210) contains.

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Color

RYB(45, 207, 210)

Conversions

Conversions Part 1

Format	Color
Hex	2DD230
RGB	45, 210, 48
RGB Percent	18%, 82%, 19%
CMY	0.8235, 0.1765, 0.8115
CMYK	0.79, 0.00, 0.77, 0.18
HSL	121°, 65%, 50%
HSV	121°, 79%, 82%
XYZ	24.6634, 46.8649, 10.5483
YIQ	142.1970, -46.3380, -85.3620

Conversions

Conversions Part 2

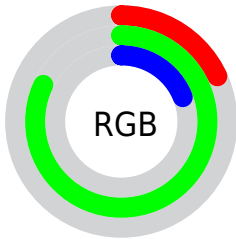
Format	Color
RYB	45, 207, 210
Decimal	3002928
CIELab	74.10, -69.46, 63.50
CIELCh	74, 94.109, 137.569
Yxy	46.8649, 0.3005, 0.5710
Android (android.graphics.Color)	4281193008 (0xFF2DD230)
YUV	142.1970, -46.4391, -85.2418
Hunter-Lab	68.4580, -55.4930, 38.7849

Details

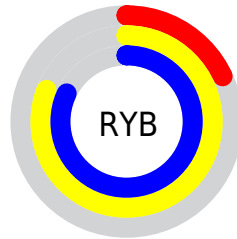
The RYB color **45, 207, 210** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **210, 45, 207**, and the grayscale version is **143, 143, 143**.

A 20% lighter version of the original color is **106, 255, 241**, and **0, 154, 154** is the 20% darker color. If you saturate the color by 10%, you get **24, 207, 210**, and if you desaturate by 10%, it is **66, 207, 210**.

Distribution



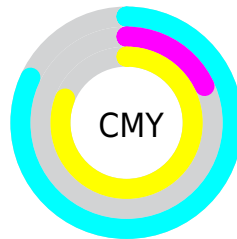
- Red (18%)
- Green (82%)
- Blue (19%)



- Red (18%)
- Yellow (81%)
- Blue (82%)



- Cyan (79%)
- Magenta (0%)
- Yellow (77%)
- Black (18%)



- Cyan (82%)
- Magenta (18%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the RYB color 45, 207, 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 45, 207, 210 by changing the saturation by 10% instead.

 45, 207, 210

 45, 207, 210

255, 255, 255

 0, 177, 182

 106, 255, 241

 0, 154, 154

 134, 255, 237

 0, 127, 127

 162, 255, 234

 0, 100, 100

 190, 255, 231

 0, 74, 74

 219, 255, 229

 0, 51, 51

 249, 255, 249

 0, 23, 23

 0, 0, 0

 45, 207, 210

 45, 207, 210

■ 24, 207, 210

■ 66, 207, 210

■ 3, 206, 210

■ 87, 208, 210

■ 0, 206, 210

■ 108, 208, 210

■ 129, 208, 210

■ 150, 209, 210

■ 171, 209, 210

■ 192, 210, 210

■ 213, 210, 213

■ 234, 210, 234

Harmonies

Analogous

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



0, 194, 23



45, 207, 210



0, 132, 218

Triad

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



45, 207, 210



0, 113, 255



255, 83, 136

Complementary

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



45, 207, 210



210, 45, 207

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, 86, 222



45, 207, 210



72, 138, 255

Square

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



45, 207, 210



0, 117, 255



247, 132, 255



255, 164, 52

Rectangle

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



45, 207, 210



0, 114, 220



247, 132, 255



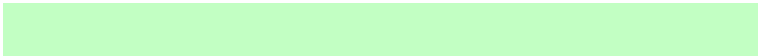
255, 76, 164

Sweetspot

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



45, 207, 210



194, 254, 255



45, 210, 48



91, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

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



45, 207, 210



15, 250, 255



45, 154, 210



94, 105, 105



0, 165, 168



0, 40, 41

Inverse Universe

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



210, 45, 207



255, 15, 251



210, 45, 125



105, 94, 104



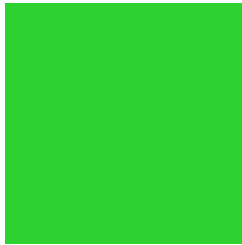
168, 0, 165



41, 0, 40

Previews

White Background



This preview shows how the RYB color 45, 207, 210 looks on a white background.

Color Contrast Check

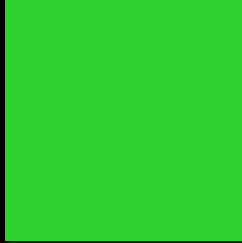
Large Text (above 18pt) WCAG AA × Fail

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 45, 207, 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](#).

RGB 45, 207, 210 Background



This preview shows how black text looks on a background with the RGB color 45, 207, 210.



This preview shows how white text looks on a background with the RGB color 45, 207, 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



Original Color
45, 207, 210

Protanopia
66, 203, 41

Deuteranopia
147, 225, 65



Tritanopia
96, 150, 212

Trichromacy



Original Color

45, 207, 210



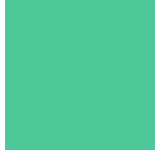
Protanomaly

44, 192, 90



Deuteranomaly

59, 185, 84



Tritanomaly

77, 154, 201

Monochromacy



Original Color

45, 207, 210



Achromatopsia

142, 142, 142



Achromatomaly

107, 166, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 45, 207, 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(45, 210, 48)` looks like.

```
.text, #text, p{  
    color:rgb(45, 210, 48)  
}
```

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(45, 210, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 210, 48) }
```

Border

The CSS property to change the border of an element to RYB 45, 207, 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(45, 210, 48) }
```

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

```
.border{ border-color:rgb(45, 210, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 210, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 210, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 210, 48);  
box-shadow:4px 4px 4px 4px rgb(45, 210,  
48) }
```

Background

The CSS property to change the background color of an element to RYB 45, 207, 210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 210, 48) }
```

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

```
.background{ background-color: rgb(45, 210,  
48) }
```

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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