

Converting Colors

RGB(45, 186, 188)

Have a look what the booklet for
RGB(45, 186, 188) contains.

RGB(45, 186, 188)	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

RGB(45, 186, 188)

Conversions

Conversions Part 1

Format	Color
Hex	2DBABC
RGB	45, 186, 188
RGB Percent	18%, 73%, 74%
CMY	0.8235, 0.2706, 0.2627
CMYK	0.76, 0.01, 0.00, 0.26
HSL	181°, 61%, 46%
HSV	181°, 76%, 74%
XYZ	27.7182, 39.3065, 53.7030
YIQ	144.0690, -84.6780, -29.2700

Conversions

Conversions Part 2

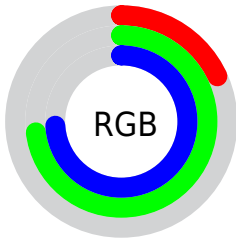
Format	Color
RYB	45, 116, 188
Decimal	2996924
CIELab	68.97, -34.69, -11.51
CIELCh	69, 36.550, 198.363
Yxy	39.3065, 0.2296, 0.3256
Android (android.graphics.Color)	4281187004 (0xFF2DBABC)
YUV	144.0690, 21.6580, -86.8835
Hunter-Lab	62.6949, -30.7991, -6.8999




Details

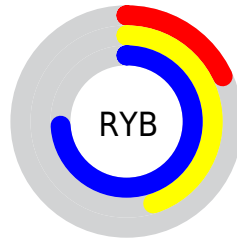
The RGB color **45, 186, 188** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **188, 47, 45**, and the grayscale version is **144, 144, 144**.




A 20% lighter version of the original color is **116, 243, 244**, and **0, 132, 135** is the 20% darker color. If you saturate the color by 10%, you get **26, 186, 188**, and if you desaturate by 10%, it is **64, 186, 188**.

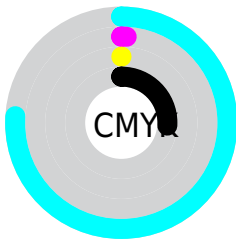
Distribution







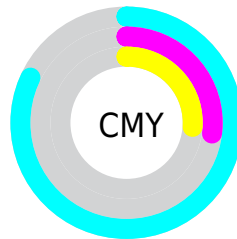
-  Red (18%)
-  Green (73%)
-  Blue (74%)






-  Red (18%)
-  Yellow (45%)
-  Blue (74%)



-  Cyan (76%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (26%)





-  Cyan (82%)
-  Magenta (27%)
-  Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the RGB color 45, 186, 188 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 RGB color 45, 186, 188 by changing the saturation by 10% instead.

 45, 186, 188

 45, 186, 188

255, 255, 255

 0, 159, 161


 116, 243, 244

 0, 132, 135

 146, 255, 255

 0, 106, 110


 177, 255, 255

 0, 82, 85

 207, 255, 255


 0, 58, 62


 238, 255, 255

 0, 37, 40

 0, 1, 20

 0, 0, 0

 45, 186, 188

 45, 186, 188

■ 26, 186, 188

■ 64, 186, 188

■ 7, 185, 188

■ 83, 187, 188

■ 0, 185, 188

■ 101, 187, 188

■ 120, 187, 188

■ 139, 187, 188

■ 158, 188, 188

■ 177, 188, 188

■ 195, 188, 188

■ 214, 188, 188

Harmonies

Analogous

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



90, 185, 154



45, 186, 188



44, 183, 217

Triad

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



45, 186, 188



197, 153, 213



202, 162, 104

Complementary

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



45, 186, 188



188, 47, 45

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.



224, 151, 120



45, 186, 188



225, 144, 183

Square

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



45, 186, 188



153, 164, 231



233, 143, 149



170, 173, 104

Rectangle

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



45, 186, 188



79, 178, 229



233, 143, 149



211, 158, 107

Sweetspot

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



45, 186, 188



188, 244, 245



45, 188, 45



88, 122, 122



250, 250, 250



122, 122, 122

Same Dimension

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



45, 186, 188



22, 242, 245



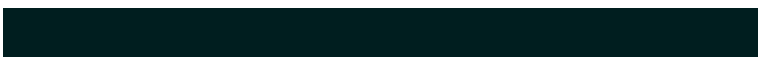
45, 117, 188



85, 94, 94



0, 156, 158



0, 30, 31

Inverse Universe

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



188, 45, 186



245, 22, 242



188, 117, 45



94, 85, 94



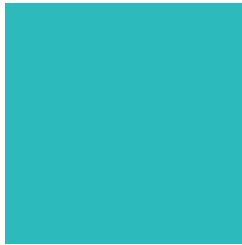
158, 0, 156



31, 0, 30

Previews

White Background



This preview shows how the RGB color 45, 186, 188 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 RGB color 45, 186, 188 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, 186, 188 Background



This preview shows how black text looks on a background with the RGB color 45, 186, 188.

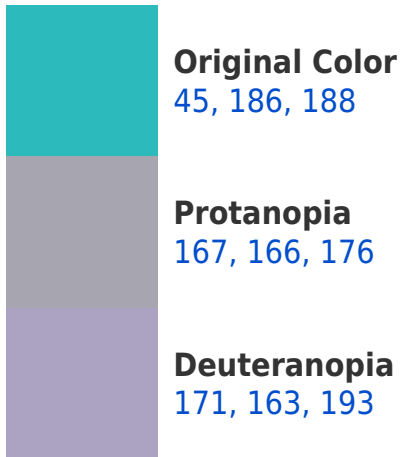


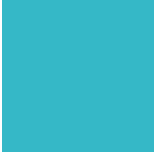
This preview shows how white text looks on a background with the RGB color 45, 186, 188.

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
53, 184, 199

Trichromacy



Original Color

45, 186, 188



Protanomaly

123, 173, 180



Deuteranomaly

125, 171, 191



Tritanomaly

50, 185, 195

Monochromacy



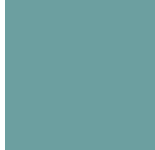
Original Color

45, 186, 188



Achromatopsia

144, 144, 144



Achromatomaly

108, 159, 160

CSS Examples

Text

The CSS property to change the color of the text to RGB 45, 186, 188 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, 186, 188)` looks like.

```
.text, #text, p{  
    color:rgb(45, 186, 188)  
}
```

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, 186, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 186, 188) }
```

Border

The CSS property to change the border of an element to RGB 45, 186, 188 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, 186, 188) }
```

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

```
.border{ border-color:rgb(45, 186, 188) }
```

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

Here you see how a box with a 4 pixel rgb(45, 186, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 186, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 186, 188);  
box-shadow:4px 4px 4px 4px rgb(45, 186,  
188) }
```

Background

The CSS property to change the background color of an element to RGB 45, 186, 188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 186, 188) }
```

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

```
.background{ background-color: rgb(45, 186,  
188) }
```

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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