

Converting Colors

RGB(45, 151, 180)

Have a look what the booklet for
RGB(45, 151, 180) contains.

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Color

RGB(45, 151, 180)

Conversions

Conversions Part 1

Format	Color
Hex	2D97B4
RGB	45, 151, 180
RGB Percent	18%, 59%, 71%
CMY	0.8235, 0.4078, 0.2941
CMYK	0.75, 0.16, 0.00, 0.29
HSL	193°, 60%, 44%
HSV	193°, 75%, 71%
XYZ	20.3870, 25.9864, 47.1214
YIQ	122.6120, -72.4850, -13.4530

Conversions

Conversions Part 2

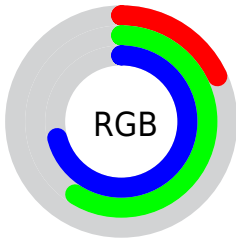
Format	Color
R _Y B	45, 104, 180
Decimal	2987956
CIE Lab	58.02, -19.77, -23.65
CIE LCh	58, 30.826, 230.112
Yxy	25.9864, 0.2181, 0.2779
Android (android.graphics.Color)	4281178036 (0xFF2D97B4)
YUV	122.6120, 28.2923, -68.0657
Hunter-Lab	50.9769, -17.8225, -19.1220

Details

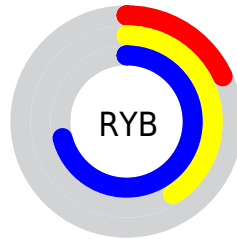
The RGB color **45, 151, 180** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **180, 74, 45**, and the grayscale version is **122, 122, 122**.

A 20% lighter version of the original color is **111, 205, 236**, and **0, 100, 127** is the 20% darker color. If you saturate the color by 10%, you get **27, 147, 180**, and if you desaturate by 10%, it is **63, 155, 180**.

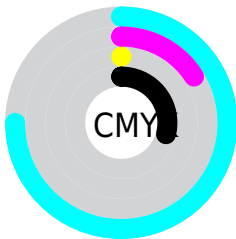
Distribution



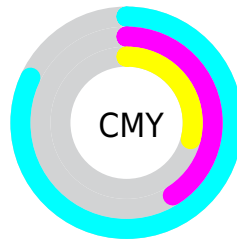
- Red (18%)
- Green (59%)
- Blue (71%)



- Red (18%)
- Yellow (41%)
- Blue (71%)



- Cyan (75%)
- Magenta (16%)
- Yellow (0%)
- Black (29%)




- Cyan (82%)
- Magenta (41%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RGB color 45, 151, 180 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, 151, 180 by changing the saturation by 10% instead.

 45, 151, 180

255, 255, 255


 111, 205, 236

 140, 234, 255

 170, 255, 255

 200, 255, 255

 229, 255, 255

 45, 151, 180

 0, 125, 153

 0, 100, 127

 0, 76, 102


 0, 53, 78


 0, 32, 55

 0, 2, 34

 0, 0, 7

 0, 0, 0

 45, 151, 180

 45, 151, 180

■ 27, 147, 180

■ 63, 155, 180

■ 9, 143, 180

■ 81, 159, 180

■ 0, 141, 180

■ 99, 163, 180

■ 117, 166, 180

■ 135, 170, 180

■ 153, 174, 180

■ 171, 178, 180

■ 189, 182, 180

■ 207, 186, 180

Harmonies

Analogous

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



42, 154, 157



45, 151, 180



86, 145, 192

Triad

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



45, 151, 180



186, 120, 150



139, 143, 88

Complementary

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



45, 151, 180



180, 74, 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.



166, 135, 86



45, 151, 180



193, 119, 122

Square

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



45, 151, 180



165, 126, 174



185, 126, 99



108, 150, 104

Rectangle

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



45, 151, 180



116, 139, 192



185, 126, 99



149, 141, 86

Sweetspot

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



45, 151, 180



181, 223, 235



45, 180, 72



84, 110, 117



245, 245, 245



117, 117, 117

Same Dimension

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



45, 151, 180



23, 189, 235



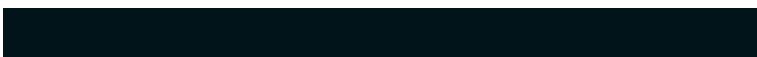
45, 85, 180



80, 87, 89



0, 120, 153



0, 20, 26

Inverse Universe

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



180, 45, 151



235, 23, 189



180, 139, 45



89, 80, 87



153, 0, 120



26, 0, 20

Previews

White Background



This preview shows how the RGB color 45, 151, 180 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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, 151, 180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

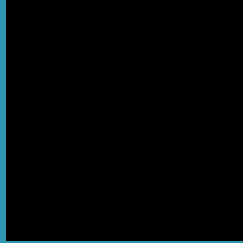
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RGB 45, 151, 180 Background



This preview shows how black text looks on a background with the RGB color 45, 151, 180.

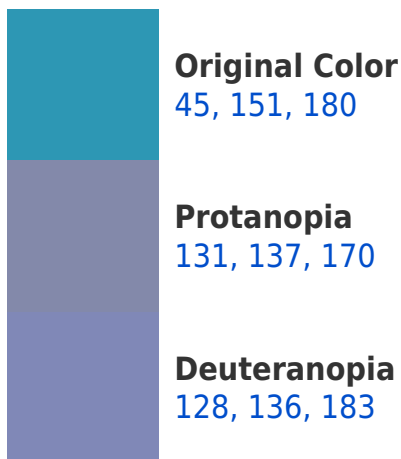


This preview shows how white text looks on a background with the RGB color 45, 151, 180.

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





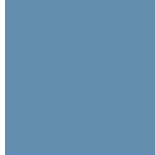
Tritanopia
33, 153, 166

Trichromacy



Original Color

45, 151, 180



Protanomaly

100, 142, 174



Deuteranomaly

98, 141, 182



Tritanomaly

37, 152, 171

Monochromacy



Original Color

45, 151, 180



Achromatopsia

123, 123, 123



Achromatomaly

95, 133, 144

CSS Examples

Text

The CSS property to change the color of the text to RGB 45, 151, 180 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, 151, 180)` looks like.

```
.text, #text, p{  
    color:rgb(45, 151, 180)  
}
```

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, 151, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 151, 180) }
```

Border

The CSS property to change the border of an element to RGB 45, 151, 180 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, 151, 180) }
```

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

```
.border{ border-color:rgb(45, 151, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 151, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 151, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 151, 180);  
box-shadow:4px 4px 4px 4px rgb(45, 151,  
180) }
```

Background

The CSS property to change the background color of an element to RGB 45, 151, 180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 151, 180) }
```

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

```
.background{ background-color: rgb(45, 151,  
180) }
```

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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