

Converting Colors

RGB(45, 129, 145)

Have a look what the booklet for
RGB(45, 129, 145) contains.

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Color

RGB(45, 129, 145)

Conversions

Conversions Part 1

Format	Color
Hex	2D8191
RGB	45, 129, 145
RGB Percent	18%, 51%, 57%
CMY	0.8235, 0.4941, 0.4314
CMYK	0.69, 0.11, 0.00, 0.43
HSL	190°, 53%, 37%
HSV	190°, 69%, 57%
XYZ	14.0433, 18.3027, 29.5807
YIQ	105.7080, -55.2000, -12.8320

Conversions

Conversions Part 2

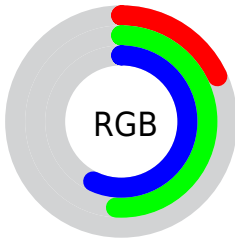
Format	Color
RYB	45, 91, 145
Decimal	2982289
CIELab	49.86, -19.55, -15.98
CIELCh	50, 25.253, 219.254
Yxy	18.3027, 0.2268, 0.2956
Android (android.graphics.Color)	4281172369 (0xFF2D8191)
YUV	105.7080, 19.3710, -53.2409
Hunter-Lab	42.7817, -16.2746, -11.0479

Details

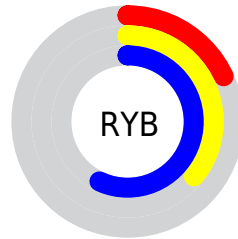
The RGB color **45, 129, 145** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **145, 61, 45**, and the grayscale version is **106, 106, 106**.

A 20% lighter version of the original color is **104, 182, 199**, and **0, 79, 95** is the 20% darker color. If you saturate the color by 10%, you get **31, 127, 145**, and if you desaturate by 10%, it is **60, 131, 145**.

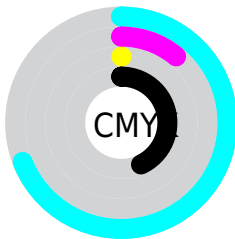
Distribution



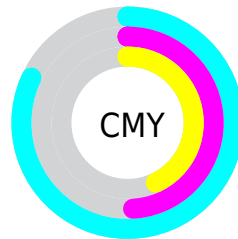
- Red (18%)
- Green (51%)
- Blue (57%)



- Red (18%)
- Yellow (36%)
- Blue (57%)



- Cyan (69%)
- Magenta (11%)
- Yellow (0%)
- Black (43%)



- Cyan (82%)
- Magenta (49%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RGB color 45, 129, 145 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, 129, 145 by changing the saturation by 10% instead.



45, 129, 145



45, 129, 145

255, 255, 255



0, 104, 119



104, 182, 199



0, 79, 95



132, 210, 227



0, 56, 71



160, 238, 255



0, 35, 48



189, 255, 255



0, 2, 28



218, 255, 255



0, 0, 0



248, 255, 255



45, 129, 145



45, 129, 145



31, 127, 145



60, 131, 145

■ 16, 124, 145

■ 74, 134, 145

■ 2, 122, 145

■ 89, 136, 145

■ 0, 122, 145

■ 103, 138, 145

■ 118, 141, 145

■ 132, 143, 145

■ 147, 145, 145

■ 161, 148, 145

■ 176, 150, 145

Harmonies

Analogous

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



53, 130, 125



45, 129, 145



67, 125, 158

Triad

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



45, 129, 145



151, 104, 134



127, 119, 76

Complementary

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



45, 129, 145



145, 61, 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.



146, 112, 79



45, 129, 145



161, 102, 113

Square

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



45, 129, 145



130, 111, 152



158, 106, 92



103, 125, 85

Rectangle

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



45, 129, 145



89, 121, 161



158, 106, 92



134, 117, 76

Sweetspot

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



45, 129, 145



149, 182, 189



45, 145, 60



71, 91, 94



222, 222, 222



94, 94, 94

Same Dimension

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



45, 129, 145



32, 164, 189



45, 80, 145



64, 70, 71



0, 114, 135



0, 6, 8

Inverse Universe

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



145, 45, 129



189, 32, 164



145, 110, 45



71, 64, 70



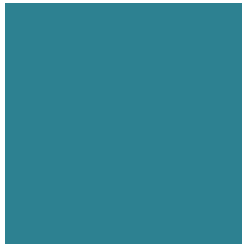
135, 0, 114



8, 0, 6

Previews

White Background



This preview shows how the RGB color 45, 129, 145 looks on a white 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

Black Background



This preview shows how the RGB color 45, 129, 145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

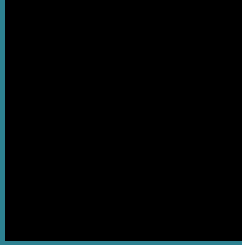
Any Text WCAG AA ✓ Pass

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, 129, 145 Background



This preview shows how black text looks on a background with the RGB color 45, 129, 145.

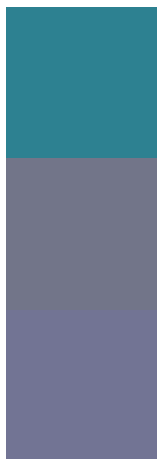


This preview shows how white text looks on a background with the RGB color 45, 129, 145.

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, 129, 145

Protanopia

114, 117, 137

Deuteranopia

114, 116, 148



Tritanopia
42, 130, 140

Trichromacy



Original Color

45, 129, 145

Protanomaly

89, 121, 140

Deuteranomaly

89, 121, 147

Tritanomaly

43, 130, 142

Monochromacy



Original Color

45, 129, 145

Achromatopsia

106, 106, 106

Achromatomaly

84, 114, 120

CSS Examples

Text

The CSS property to change the color of the text to RGB 45, 129, 145 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, 129, 145)` looks like.

```
.text, #text, p{  
    color:rgb(45, 129, 145)  
}
```

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, 129, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 129, 145) }
```

Border

The CSS property to change the border of an element to RGB 45, 129, 145 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, 129, 145) }
```

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

```
.border{ border-color:rgb(45, 129, 145) }
```

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

Here you see how a box with a 4 pixel rgb(45, 129, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 129, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 129, 145);  
box-shadow:4px 4px 4px 4px rgb(45, 129,  
145) }
```

Background

The CSS property to change the background color of an element to RGB 45, 129, 145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 129, 145) }
```

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

```
.background{ background-color: rgb(45, 129,  
145) }
```

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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