

Converting Colors

RGB(45, 139, 157)

Have a look what the booklet for
RGB(45, 139, 157) contains.

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Color

RGB(45, 139, 157)

Conversions

Conversions Part 1

Format	Color
Hex	2D8B9D
RGB	45, 139, 157
RGB Percent	18%, 55%, 62%
CMY	0.8235, 0.4549, 0.3843
CMYK	0.71, 0.11, 0.00, 0.38
HSL	190°, 55%, 40%
HSV	190°, 71%, 62%
XYZ	16.4006, 21.4574, 35.1756
YIQ	112.9460, -61.8020, -14.3300

Conversions

Conversions Part 2

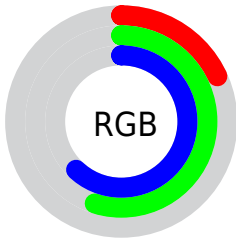
Format	Color
RYB	45, 96, 157
Decimal	2984861
CIELab	53.45, -20.98, -17.50
CIELCh	53, 27.316, 219.833
Yxy	21.4574, 0.2246, 0.2938
Android (android.graphics.Color)	4281174941 (0xFF2D8B9D)
YUV	112.9460, 21.7186, -59.5886
Hunter-Lab	46.3222, -17.8650, -12.5974




Details

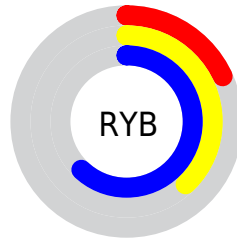
The RGB color **45, 139, 157** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **157, 63, 45**, and the grayscale version is **113, 113, 113**.




A 20% lighter version of the original color is **107, 193, 212**, and **0, 89, 106** is the 20% darker color. If you saturate the color by 10%, you get **29, 136, 157**, and if you desaturate by 10%, it is **61, 142, 157**.

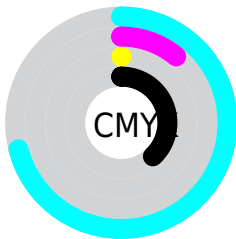
Distribution







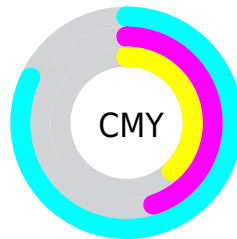
-  Red (18%)
-  Green (55%)
-  Blue (62%)






-  Red (18%)
-  Yellow (38%)
-  Blue (62%)



-  Cyan (71%)
-  Magenta (11%)
-  Yellow (0%)
-  Black (38%)



-  Cyan (82%)
-  Magenta (45%)
-  Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RGB color 45, 139, 157 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, 139, 157 by changing the saturation by 10% instead.



45, 139, 157



45, 139, 157

255, 255, 255



0, 113, 131



107, 193, 212



0, 89, 106



135, 221, 240



0, 65, 81



164, 249, 255



0, 43, 58



193, 255, 255



0, 22, 37



222, 255, 255



0, 1, 14



252, 255, 255



0, 0, 0



45, 139, 157



45, 139, 157



29, 136, 157



61, 142, 157

■ 14, 134, 157

■ 76, 144, 157

■ 0, 132, 157

■ 92, 147, 157

■ 108, 149, 157

■ 124, 152, 157

■ 139, 154, 157

■ 155, 157, 157

■ 171, 159, 157

■ 186, 162, 157

Harmonies

Analogous

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



55, 141, 135



45, 139, 157



71, 134, 171

Triad

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



45, 139, 157



164, 112, 144



136, 129, 81

Complementary

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



45, 139, 157



157, 63, 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.



157, 121, 84



45, 139, 157



174, 110, 121

Square

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



45, 139, 157



141, 119, 164



171, 113, 99



110, 135, 91

Rectangle

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



45, 139, 157



95, 130, 174



171, 113, 99



144, 126, 80

Sweetspot

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



45, 139, 157



161, 197, 204



45, 157, 62



77, 98, 102



230, 230, 230



102, 102, 102

Same Dimension

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



45, 139, 157



29, 176, 204



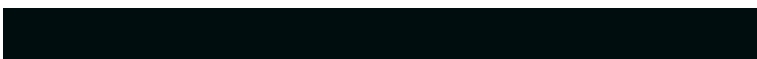
45, 84, 157



71, 78, 79



0, 120, 143



0, 13, 15

Inverse Universe

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



157, 45, 139



204, 29, 176



157, 118, 45



79, 71, 78



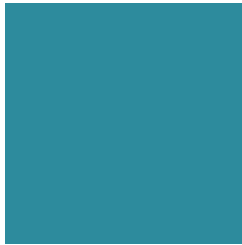
143, 0, 120



15, 0, 13

Previews

White Background



This preview shows how the RGB color 45, 139, 157 looks on a white background.

Color Contrast Check

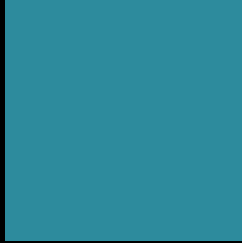
Large Text (above 18pt) WCAG AA ✓ Pass

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, 139, 157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

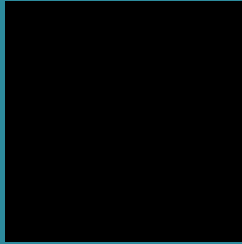
Any Text WCAG AA ✓ Pass

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, 139, 157 Background



This preview shows how black text looks on a background with the RGB color 45, 139, 157.



This preview shows how white text looks on a background with the RGB color 45, 139, 157.

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
41, 140, 151

Trichromacy



Original Color
45, 139, 157

Protanomaly
95, 131, 151

Deuteranomaly
94, 129, 159

Tritanomaly
42, 140, 153

Monochromacy



Original Color
45, 139, 157

Achromatopsia
113, 113, 113

Achromatomaly
88, 122, 129

CSS Examples

Text

The CSS property to change the color of the text to RGB 45, 139, 157 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, 139, 157)` looks like.

```
.text, #text, p{  
    color:rgb(45, 139, 157)  
}
```

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, 139, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 139, 157) }
```

Border

The CSS property to change the border of an element to RGB 45, 139, 157 is called "border". The border property can be set on classes, ids or directly on the HTML element.

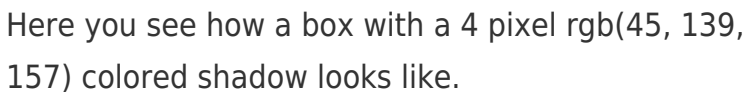
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(45, 139, 157) }
```

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

```
.border{ border-color:rgb(45, 139, 157) }
```

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



Here you see how a box with a 4 pixel `rgb(45, 139, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(45, 139, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(45, 139, 157); box-shadow:4px 4px 4px 4px rgb(45, 139, 157) }
```

Background

The CSS property to change the background color of an element to RGB 45, 139, 157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 139, 157) }
```

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

```
.background{ background-color: rgb(45, 139,  
157) }
```

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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