

Converting Colors

RGB(16, 133, 157)

Have a look what the booklet for
RGB(16, 133, 157) contains.

RGB(16, 133, 157)	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(16, 133, 157)

Conversions

Conversions Part 1	
Format	Color
Hex	10859D
RGB	16, 133, 157
RGB Percent	6%, 52%, 62%
CMY	0.9373, 0.4784, 0.3843
CMYK	0.90, 0.15, 0.00, 0.38
HSL	190°, 82%, 34%
HSV	190°, 90%, 62%
XYZ	14.6870, 19.3195, 34.8532
YIQ	100.7530, -77.4360, -17.3400

Conversions

Conversions Part 2

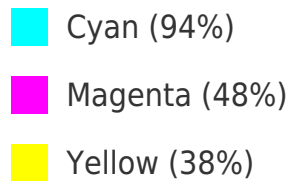
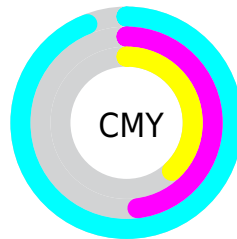
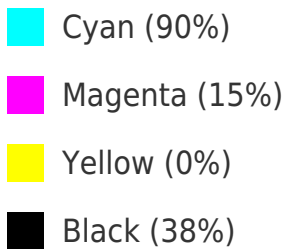
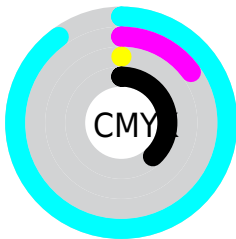
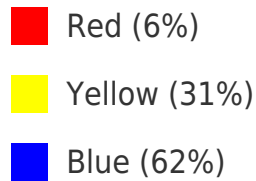
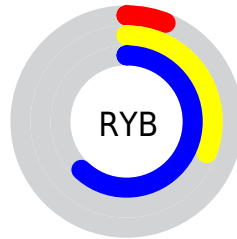
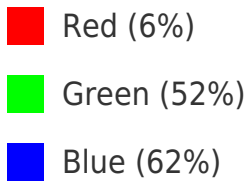
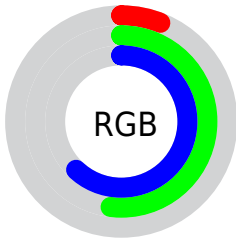
Format	Color
RYB	16, 80, 157
Decimal	1082781
CIELab	51.06, -20.74, -21.19
CIELCh	51, 29.652, 225.621
Yxy	19.3195, 0.2133, 0.2806
Android (android.graphics.Color)	4279272861 (0xFF10859D)
YUV	100.7530, 27.7298, -74.3284
Hunter-Lab	43.9540, -17.2746, -16.2461

Details

The RGB color **16, 133, 157** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **157, 40, 16**, and the grayscale version is **101, 101, 101**.

A 20% lighter version of the original color is **92, 186, 212**, and **0, 83, 106** is the 20% darker color. If you saturate the color by 10%, you get **0, 130, 157**, and if you desaturate by 10%, it is **32, 136, 157**.


Distribution




Brightness & Saturation Gradients

These gradients show how the RGB color 16, 133, 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 16, 133, 157 by changing the saturation by 10% instead.

 16, 133, 157

255, 255, 255

 92, 186, 212


 122, 214, 240

 151, 243, 255

 180, 255, 255

 210, 255, 255

 240, 255, 255


 16, 133, 157

 0, 108, 131


 0, 83, 106


 0, 60, 81

 0, 38, 58


 0, 10, 37

 0, 1, 14

 0, 0, 0

 16, 133, 157

 0, 130, 157

 16, 133, 157

 32, 136, 157

0, 130, 157

47, 138, 157

63, 141, 157

79, 144, 157

95, 146, 157

110, 149, 157

126, 152, 157

142, 154, 157

157, 157, 157

Harmonies

Analogous

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



26, 135, 134



16, 133, 157



63, 128, 170

Triad

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



16, 133, 157



163, 103, 135



125, 124, 72

Complementary

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



16, 133, 157



157, 40, 16

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.



149, 116, 73



16, 133, 157



171, 102, 109

Square

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



16, 133, 157



141, 110, 157



165, 107, 87



97, 131, 85

Rectangle

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



16, 133, 157



93, 122, 172



165, 107, 87



134, 122, 71

Sweetspot

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



16, 133, 157



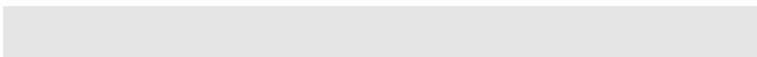
149, 195, 204



16, 157, 39



69, 96, 102



230, 230, 230



102, 102, 102

Same Dimension

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



16, 133, 157



0, 169, 204



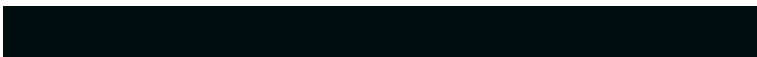
16, 63, 157



71, 78, 79



0, 118, 143



0, 13, 15

Inverse Universe

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



157, 16, 133



204, 0, 169



157, 110, 16



79, 71, 78



143, 0, 118



15, 0, 13

Previews

White Background



This preview shows how the RGB color 16, 133, 157 looks on a white background.

Color Contrast Check

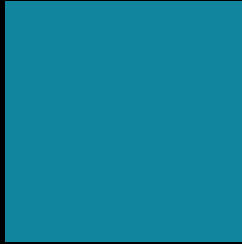
Large Text (above 18pt) WCAG AA ✓ Pass

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 16, 133, 157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

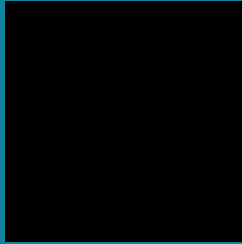
Any Text WCAG AA ✓ Pass

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 16, 133, 157 Background



This preview shows how black text looks on a background with the RGB color 16, 133, 157.



This preview shows how white text looks on a background with the RGB color 16, 133, 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



Original Color

16, 133, 157

Protanopia

115, 120, 148

Deuteranopia

111, 119, 160



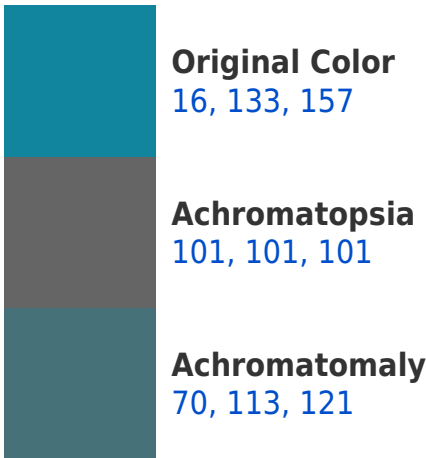
Tritanopia

0, 135, 145

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RGB 16, 133, 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(16, 133, 157)` looks like.

```
.text, #text, p{  
    color:rgb(16, 133, 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(16, 133, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 133, 157) }
```

Border

The CSS property to change the border of an element to RGB 16, 133, 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(16, 133, 157) }
```

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

```
.border{ border-color:rgb(16, 133, 157) }
```

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

Here you see how a box with a 4 pixel rgb(16, 133, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 133, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 133, 157);  
box-shadow:4px 4px 4px 4px rgb(16, 133,  
157) }
```

Background

The CSS property to change the background color of an element to RGB 16, 133, 157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 133, 157) }
```

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

```
.background{ background-color: rgb(16, 133,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor