

Converting Colors

XYZ(11.7174, 19.1815, 16.1536)

Have a look what the booklet for
XYZ(11.7174, 19.1815, 16.1536)
contains.

XYZ(11.7683, 19.2698, 16.1959)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.7683, 19.2698,
16.1959)**

Conversions

Conversions Part 1

Format	Color
Hex	0E8A68
RGB	14, 138, 104
RGB Percent	5%, 54%, 41%
CMY	0.9451, 0.4588, 0.5922
CMYK	0.90, 0.00, 0.25, 0.46
HSL	164°, 82%, 30%
HSV	164°, 90%, 54%
XYZ	11.7683, 19.2698, 16.1959
YIQ	97.0480, -62.9900, -36.8620

Conversions

Conversions Part 2

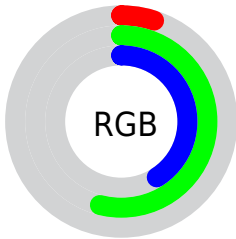
Format	Color
R_{YB}	14, 86, 138
Decimal	952936
CIE Lab	51.00, -39.59, 9.55
CIE LCh	51, 40.727, 166.437
Yxy	19.2698, 0.2491, 0.4080
Android (android.graphics.Color)	4279143016 (0xFF0E8A68)
YUV	97.0480, 3.4273, -72.8331
Hunter-Lab	43.8974, -28.9670, 8.8532

Details

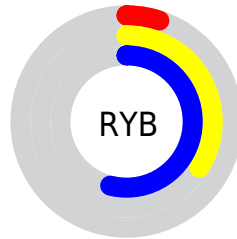
The XYZ color **11.7683, 19.2698, 16.1959** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.1725, 5.9313, 3.3536**, and the grayscale version is **11.3780, 11.9706, 13.0359**.

A 20% lighter version of the original color is **28.6038, 42.0443, 37.6181**, and **4.1467, 7.1118, 5.0251** is the 20% darker color. If you saturate the color by 10%, you get **11.4022, 19.1033, 15.1981**, and if you desaturate by 10%, it is **12.2579, 19.5000, 17.2454**.

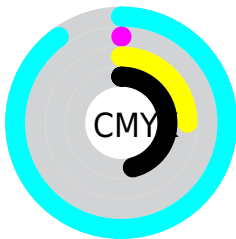
Distribution



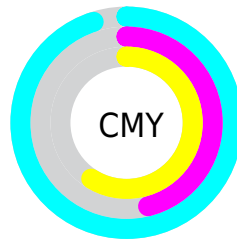
- Red (5%)
- Green (54%)
- Blue (41%)



- Red (5%)
- Yellow (34%)
- Blue (54%)



- Cyan (90%)
- Magenta (0%)
- Yellow (25%)
- Black (46%)



- Cyan (95%)
- Magenta (46%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7683, 19.2698, 16.1959 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 XYZ color 11.7683, 19.2698, 16.1959 by changing the saturation by 10% instead.

■ 11.7683, 19.2698,
16.1959

■ 11.7683, 19.2698,
16.1959

196.6667,
247.9342, 242.3800

■ 6.6572, 11.8654,
9.5070

■ 28.6929, 42.1895,
37.7095

■ 3.2931, 6.6521,
4.9720

■ 41.2372, 58.4736,
53.3713

■ 1.3106, 3.2455,
2.1724

■ 56.9898, 78.4863,
72.8611

■ 0.1911, 1.2612,
0.6584

■ 76.3162, 102.6122,
96.5975

■ 0.0000, 0.1109,
0.0000

■ 99.5818, 131.2355,
124.9991

■ 0.0000, 0.0000,
0.0000

■ 127.1518,

164.7407, 158.4843

159.3916,
203.5121, 197.4718

■ 11.7683, 19.2698,
16.1959

■ 11.7683, 19.2698,
16.1959

■ 11.4022, 19.1033,
15.1981

■ 12.2579, 19.5000,
17.2454

■ 11.3968, 19.1008,
15.1832

■ 12.9285, 19.8220,
18.3486

■ 13.8019, 20.2475,
19.5074

■ 14.8962, 20.7858,
20.7233

■ 16.2274, 21.4453,
21.9976

■ 17.8102, 22.2333,
23.3315

■ 19.6580, 23.1569,
24.7261

■ 21.7830, 24.2224,
26.1825

■ 24.1970, 25.4357,
27.7018

Harmonies

Analogous

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



13.2548, 19.2698, 9.1032



11.7683, 19.2698, 16.1959



11.8434, 19.2698, 27.9083

Triad

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



11.7683, 19.2698, 16.1959



20.5966, 19.2698, 50.2743



24.1910, 19.2698, 8.6594

Complementary

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



11.7683, 19.2698, 16.1959



11.1725, 5.9313, 3.3536

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.



26.7978, 19.2698, 15.3077



11.7683, 19.2698, 16.1959



24.5235, 19.2698, 40.2912

Square

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



11.7683, 19.2698, 16.1959



16.5577, 19.2698, 50.7921



26.9277, 19.2698, 26.6277



20.1932, 19.2698, 5.9578

Rectangle

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



11.7683, 19.2698, 16.1959



12.7621, 19.2698, 37.1145



26.9277, 19.2698, 26.6277



25.2831, 19.2698, 10.3684

Sweetspot

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



11.7688, 19.2706, 16.1964



32.0903, 39.5371, 41.6731



10.4416, 18.8658, 3.5070



6.9996, 8.7691, 9.1908



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



11.7688, 19.2706, 16.1964



20.0193, 33.6398, 26.3997



10.4683, 13.3274, 26.0663



5.1153, 5.6656, 6.1282



10.4552, 17.5147, 13.9536



0.0756, 0.1188, 0.1252

Inverse Universe

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



11.1725, 5.9313, 3.3536



19.0283, 9.7455, 3.7782



11.3496, 7.0125, 1.1712



5.0856, 5.0697, 5.5391



9.9338, 5.0836, 2.1558



0.0715, 0.0360, 0.0433

Previews

White Background



This preview shows how the XYZ color 11.7683, 19.2698, 16.1959 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 XYZ color 11.7683, 19.2698, 16.1959 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](#).

XYZ 11.7683, 19.2698, 16.1959

Background



This preview shows how black text looks on a background with the XYZ color 11.7683, 19.2698, 16.1959.



This preview shows how white text looks on a background with the XYZ color 11.7683, 19.2698,

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

11.7683, 19.2698, 16.1959

Protanopia

17.8508, 19.1085, 13.8138

Deuteranopia

19.3222, 18.9133, 17.1002



Tritanopia

14.5483, 19.3695, 29.3575

Trichromacy



Original Color

11.7683, 19.2698, 16.1959

Protanomaly

13.7720, 18.1058, 14.5733

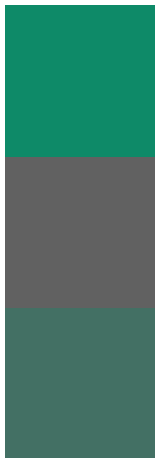
Deuteranomaly

14.2751, 17.7522, 16.5840

Tritanomaly

13.2861, 19.2530, 23.7848

Monochromacy



Original Color

11.7683, 19.2698, 16.1959

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.4092, 13.7017, 14.1527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7683, 19.2698, 16.1959 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(14, 138, 104)` looks like.

```
.text, #text, p{  
    color:rgb(14, 138, 104)  
}
```

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(14, 138, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 138, 104) }
```

Border

The CSS property to change the border of an element to XYZ 11.7683, 19.2698, 16.1959 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(14, 138, 104) }
```


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

```
.border{ border-color:rgb(14, 138, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 138, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 138, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 138, 104);  
box-shadow:4px 4px 4px 4px rgb(14, 138,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7683, 19.2698, 16.1959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 138, 104) }
```

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

```
.background{ background-color: rgb(14, 138,  
104) }
```

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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