

Converting Colors

XYZ(11.6717, 18.5720, 16.8804)

Have a look what the booklet for
XYZ(11.6717, 18.5720, 16.8804)
contains.

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Color

**XYZ(11.6712, 18.5716,
16.8795)**

Conversions

Conversions Part 1

Format	Color
Hex	17876B
RGB	23, 135, 107
RGB Percent	9%, 53%, 42%
CMY	0.9098, 0.4706, 0.5804
CMYK	0.83, 0.00, 0.21, 0.47
HSL	165°, 71%, 31%
HSV	165°, 83%, 53%
XYZ	11.6712, 18.5716, 16.8795
YIQ	98.3200, -57.7640, -32.4520

Conversions

Conversions Part 2

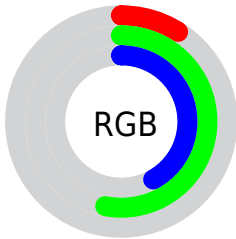
Format	Color
R_{YB}	23, 87, 135
Decimal	1541995
CIE _{Lab}	50.18, -36.75, 6.67
CIE _{LCh}	50, 37.348, 169.715
Yxy	18.5716, 0.2477, 0.3941
Android (android.graphics.Color)	4279732075 (0xFF17876B)
YUV	98.3200, 4.2792, -66.0556
Hunter-Lab	43.0948, -27.0734, 6.9434

Details

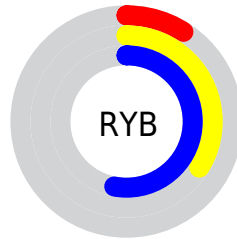
The XYZ color **11.6712, 18.5716, 16.8795** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.8963, 6.0033, 3.7175**, and the grayscale version is **11.6900, 12.2988, 13.3934**.

A 20% lighter version of the original color is **28.4890, 40.9877, 38.7576**, and **3.9859, 6.6669, 5.3517** is the 20% darker color. If you saturate the color by 10%, you get **11.2630, 18.3817, 15.9517**, and if you desaturate by 10%, it is **12.2447, 18.8468, 17.8520**.

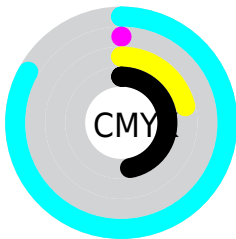
Distribution



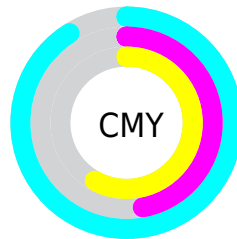
- Red (9%)
- Green (53%)
- Blue (42%)



- Red (9%)
- Yellow (34%)
- Blue (53%)



- Cyan (83%)
- Magenta (0%)
- Yellow (21%)
- Black (47%)



- Cyan (91%)
- Magenta (47%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6712, 18.5716, 16.8795 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 11.6712, 18.5716, 16.8795 by changing the saturation by 10% instead.

■ 11.6712, 18.5716,
16.8795

■ 11.6712, 18.5716,
16.8795

196.0309,
244.0734, 246.4974

■ 6.5908, 11.3611,
9.9876

■ 28.5169, 41.0089,
38.9063

■ 3.2516, 6.3103,
5.2852

■ 41.0129, 57.0046,
54.8782

■ 1.2882, 3.0347,
2.3539

■ 56.7116, 76.6975,
74.7139

■ 0.1743, 1.1499,
0.7612

■ 75.9781, 100.4719,
98.8319

■ 0.0000, 0.0202,
0.0000

■ 99.1780, 128.7123,
127.6507

■ 0.0000, 0.0000,
0.0000

■ 126.6765,

161.8031, 161.5888

158.8390,
200.1287, 201.0649

■ 11.6712, 18.5716,
16.8795

■ 11.6712, 18.5716,
16.8795

■ 11.2630, 18.3817,
15.9517

■ 12.2447, 18.8468,
17.8520

■ 11.0254, 18.2730,
15.3218

■ 13.0033, 19.2161,
18.8694

■ 13.9652, 19.6895,
19.9333

■ 15.1464, 20.2750,
21.0448

■ 16.5608, 20.9800,
22.2050

■ 18.2216, 21.8111,
23.4149

■ 20.1407, 22.7745,
24.6754

■ 22.3293, 23.8760,
25.9874

■ 24.7979, 25.1209,
27.3517

Harmonies

Analogous

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



12.8736, 18.5716, 9.9084



11.6712, 18.5716, 16.8795



11.8965, 18.5716, 27.6863

Triad

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



11.6712, 18.5716, 16.8795



20.0954, 18.5716, 45.2634



22.5247, 18.5716, 8.5418

Complementary

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



11.6712, 18.5716, 16.8795



10.8963, 6.0033, 3.7175

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.



25.0157, 18.5716, 14.2355



11.6712, 18.5716, 16.8795



23.4863, 18.5716, 35.9681

Square

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



11.6712, 18.5716, 16.8795



16.4427, 18.5716, 46.7247



25.3898, 18.5716, 23.9774



18.9187, 18.5716, 6.3011

Rectangle

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



11.6712, 18.5716, 16.8795



12.8378, 18.5716, 35.7468



25.3898, 18.5716, 23.9774



23.5399, 18.5716, 10.0026

Sweetspot

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



11.6717, 18.5723, 16.8799



31.8126, 38.6484, 41.3577



10.2806, 18.1439, 3.7714



7.1540, 8.8437, 9.4239



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.



11.6717, 18.5723, 16.8799



19.6776, 32.6959, 27.0888



10.1817, 12.8412, 24.8644



4.7532, 5.2595, 5.7115



10.1720, 16.8516, 14.1570



0.0382, 0.0595, 0.0644

Inverse Universe

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



10.8963, 6.0033, 3.7175



18.3476, 9.4061, 3.2305



11.2509, 7.4214, 1.6506



4.7168, 4.7064, 5.1211



9.4814, 4.8569, 1.8413



0.0354, 0.0179, 0.0199

Previews

White Background



This preview shows how the XYZ color 11.6712, 18.5716, 16.8795 looks on a white background.

Color Contrast Check

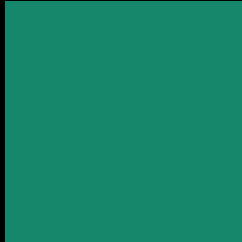
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.6712, 18.5716, 16.8795 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 11.6712, 18.5716, 16.8795

Background



This preview shows how black text looks on a background with the XYZ color 11.6712, 18.5716, 16.8795.



This preview shows how white text looks on a background with the XYZ color 11.6712, 18.5716,

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

11.6712, 18.5716, 16.8795

Protanopia

17.1880, 18.2177, 14.4148

Deuteranopia

18.6728, 18.3957, 17.6055



Tritanopia

13.9171, 18.4692, 28.0307

Trichromacy



Original Color

11.6712, 18.5716, 16.8795

Protanomaly

13.6304, 17.4493, 15.2200

Deuteranomaly

14.2882, 17.3720, 17.3519

Tritanomaly

13.0130, 18.4996, 23.6538

Monochromacy



Original Color

11.6712, 18.5716, 16.8795

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.6319, 13.6481, 14.3859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6712, 18.5716, 16.8795 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(23, 135, 107)` looks like.

```
.text, #text, p{  
    color:rgb(23, 135, 107)  
}
```

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(23, 135, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 135, 107) }
```

Border

The CSS property to change the border of an element to XYZ 11.6712, 18.5716, 16.8795 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(23, 135, 107) }
```


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

```
.border{ border-color:rgb(23, 135, 107) }
```

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

Here you see how a box with a 4 pixel rgb(23, 135, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 135, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 135, 107);  
box-shadow:4px 4px 4px 4px rgb(23, 135,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6712, 18.5716, 16.8795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 135, 107) }
```

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

```
.background{ background-color: rgb(23, 135,  
107) }
```

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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