

Converting Colors

XYZ(11.8827, 16.5954, 21.0683)

Have a look what the booklet for
XYZ(11.8827, 16.5954, 21.0683)
contains.

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Color

**XYZ(11.8852, 16.6078,
20.9916)**

Conversions

Conversions Part 1

Format	Color
Hex	2C7D7A
RGB	44, 125, 122
RGB Percent	17%, 49%, 48%
CMY	0.8274, 0.5098, 0.5216
CMYK	0.65, 0.00, 0.02, 0.51
HSL	178°, 48%, 33%
HSV	178°, 65%, 49%
XYZ	11.8852, 16.6078, 20.9916
YIQ	100.4390, -47.3130, -18.1050

Conversions

Conversions Part 2

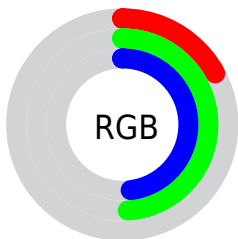
Format	Color
R _Y B	44, 85, 125
Decimal	2915706
CIE Lab	47.76, -24.81, -5.60
CIE LCh	48, 25.431, 192.729
Yxy	16.6078, 0.2402, 0.3356
Android (android.graphics.Color)	4281105786 (0xFF2C7D7A)
YUV	100.4390, 10.6296, -49.4970
Hunter-Lab	40.7527, -19.2590, -2.0133

Details

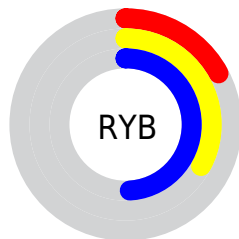
The XYZ color **11.8852, 16.6078, 20.9916** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **9.8718, 6.3672, 3.3987**, and the grayscale version is **12.2082, 12.8440, 13.9871**.

A 20% lighter version of the original color is **28.9272, 37.6635, 45.7896**, and **3.7870, 5.6499, 7.1943** is the 20% darker color. If you saturate the color by 10%, you get **11.3985, 16.3606, 20.8197**, and if you desaturate by 10%, it is **12.5348, 16.9397, 21.1725**.

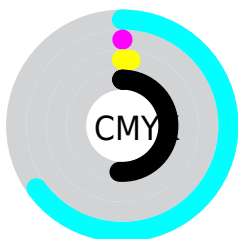
Distribution



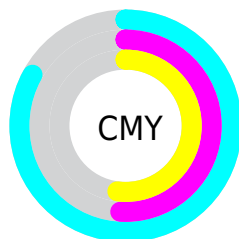
- Red (17%)
- Green (49%)
- Blue (48%)



- Red (17%)
- Yellow (33%)
- Blue (49%)



- Cyan (65%)
- Magenta (0%)
- Yellow (2%)
- Black (51%)



- Cyan (83%)
- Magenta (51%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8852, 16.6078, 20.9916 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 11.8852, 16.6078, 20.9916 by changing the saturation by 10% instead.

■ 11.8852, 16.6078,
20.9916

■ 11.8852, 16.6078,
20.9916

■ 197.4293,
232.9020, 270.0134

■ 6.7372, 9.9553,
12.9267

■ 28.9045, 37.6502,
45.9542

■ 3.3432, 5.3693,
7.2479

■ 41.5066, 52.8089,
63.6889

■ 1.3377, 2.4655,
3.5369

■ 57.3240, 71.5717,
85.4840

■ 0.2112, 0.8593,
1.3749

■ 76.7221, 94.3231,
111.7579

■ 0.0000, 0.0000,
0.1220

■ 100.0664,
121.4474, 142.9293

■ 0.0000, 0.0000,
0.0000

■ 127.7221,

153.3290, 179.4167

160.0546,
190.3525, 221.6385

■ 11.8852, 16.6078,
20.9916

■ 11.8852, 16.6078,
20.9916

■ 11.3985, 16.3606,
20.8197

■ 12.5348, 16.9397,
21.1725

■ 11.0583, 16.1885,
20.6551

■ 13.3591, 17.3613,
21.3620

■ 10.8427, 16.0806,
20.4970

■ 14.3703, 17.8793,
21.5609

■ 10.7466, 16.0328,
20.4157

■ 15.5794, 18.4992,
21.7698

■ 16.9962, 19.2262,
21.9891

■ 18.6301, 20.0651,
22.2194

■ 20.4898, 21.0204,
22.4609

■ 22.5836, 22.0964,
22.7140

■ 24.9193, 23.2970,
22.9793

Harmonies

Analogous

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



11.9597, 16.6078, 14.6073



11.8852, 16.6078, 20.9916



12.7803, 16.6078, 28.0048

Triad

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



11.8852, 16.6078, 20.9916



18.9491, 16.6078, 28.9566



17.1222, 16.6078, 8.5517

Complementary

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



11.8852, 16.6078, 20.9916



9.8718, 6.3672, 3.3987

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.



19.2277, 16.6078, 10.8345



11.8852, 16.6078, 20.9916



20.3501, 16.6078, 22.0706

Square

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



11.8852, 16.6078, 20.9916



16.7706, 16.6078, 33.2938



20.4568, 16.6078, 15.4564



14.8392, 16.6078, 8.3965

Rectangle

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



11.8852, 16.6078, 20.9916



13.8614, 16.6078, 31.6884



20.4568, 16.6078, 15.4564



17.8793, 16.6078, 9.0649

Sweetspot

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



11.8857, 16.6084, 20.9920



29.2047, 33.7970, 39.1905



9.0101, 15.4793, 4.8963



6.5080, 7.6183, 8.8933



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



11.8857, 16.6084, 20.9920



20.0703, 29.1241, 37.1303



8.2761, 9.0870, 20.7204



4.4398, 4.8842, 5.4870



11.2153, 16.7327, 21.3042



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.8718, 6.3672, 3.3987



16.1669, 9.2211, 2.9910



11.8144, 10.3460, 3.7577



4.3337, 4.3466, 4.5619



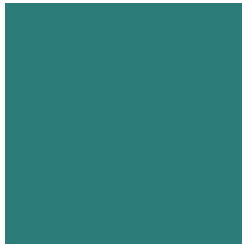
8.8529, 4.5609, 0.5494



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.8852, 16.6078, 20.9916 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 XYZ color 11.8852, 16.6078, 20.9916 looks on a black 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

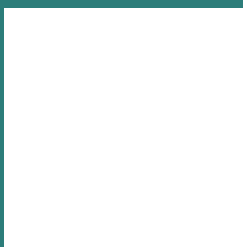
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.8852, 16.6078, 20.9916

Background



This preview shows how black text looks on a background with the XYZ color 11.8852, 16.6078, 20.9916.



This preview shows how white text looks on a background with the XYZ color 11.8852, 16.6078,

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

11.8852, 16.6078, 20.9916

Protanopia

15.7709, 16.3807, 18.2502

Deuteranopia

16.7488, 16.4841, 21.7010



Tritanopia

12.6320, 16.5375, 24.7166

Trichromacy



Original Color

11.8852, 16.6078, 20.9916

Protanomaly

13.6920, 16.1308, 19.2215

Deuteranomaly

14.0832, 15.9409, 21.4034

Tritanomaly

12.3890, 16.6287, 23.3256

Monochromacy



Original Color

11.8852, 16.6078, 20.9916

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.4837, 13.7255, 16.2314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8852, 16.6078, 20.9916 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(44, 125, 122)` looks like.

```
.text, #text, p{  
    color:rgb(44, 125, 122)  
}
```

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(44, 125, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 125, 122) }
```

Border

The CSS property to change the border of an element to XYZ 11.8852, 16.6078, 20.9916 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(44, 125, 122) }
```


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

```
.border{ border-color:rgb(44, 125, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 125, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 125, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 125, 122);  
box-shadow:4px 4px 4px 4px rgb(44, 125,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8852, 16.6078, 20.9916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 125, 122) }
```

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

```
.background{ background-color: rgb(44, 125,  
122) }
```

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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