

Converting Colors

XYZ(11.9026, 16.1471, 17.0392)

Have a look what the booklet for
XYZ(11.9026, 16.1471, 17.0392)
contains.

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Color

**XYZ(11.8998, 16.1470,
16.9575)**

Conversions

Conversions Part 1

Format	Color
Hex	417A6D
RGB	65, 122, 109
RGB Percent	25%, 48%, 43%
CMY	0.7451, 0.5216, 0.5725
CMYK	0.47, 0.00, 0.11, 0.52
HSL	166°, 30%, 37%
HSV	166°, 47%, 48%
XYZ	11.8998, 16.1470, 16.9575
YIQ	103.4750, -29.7990, -16.1270

Conversions

Conversions Part 2

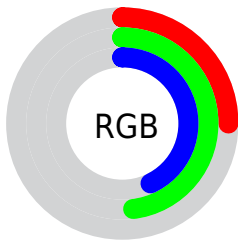
Format	Color
R_{YB}	65, 97, 122
Decimal	4291181
CIE _{Lab}	47.17, -22.14, 1.30
CIE _{LCh}	47, 22.176, 176.630
Yxy	16.1470, 0.2644, 0.3588
Android (android.graphics.Color)	4282481261 (0xFF417A6D)
YUV	103.4750, 2.7238, -33.7426
Hunter-Lab	40.1833, -17.4602, 3.1078

Details

The XYZ color **11.8998, 16.1470, 16.9575** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.2920, 8.4686, 8.2477**, and the grayscale version is **13.0171, 13.6950, 14.9138**.

A 20% lighter version of the original color is **29.0113, 36.9799, 38.8665**, and **3.3647, 5.1710, 5.3782** is the 20% darker color. If you saturate the color by 10%, you get **11.0305, 15.7163, 16.1474**, and if you desaturate by 10%, it is **12.9493, 16.6709, 17.8015**.

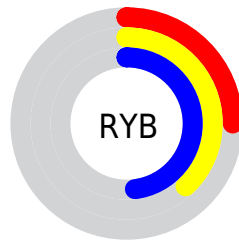
Distribution



Red (25%)

Green (48%)

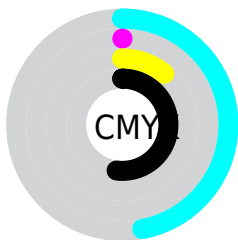
Blue (43%)



Red (25%)

Yellow (38%)

Blue (48%)

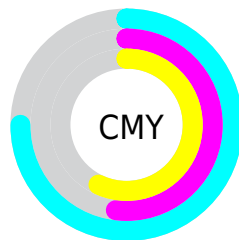


Cyan (47%)

Magenta (0%)

Yellow (11%)

Black (52%)



Cyan (75%)

Magenta (52%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8998, 16.1470, 16.9575 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 11.8998, 16.1470, 16.9575 by changing the saturation by 10% instead.

■ 11.8998, 16.1470,
16.9575

■ 11.8998, 16.1470,
16.9575

197.5243,
230.2076, 246.9630

■ 6.7472, 9.6282,
10.0426

■ 28.9309, 36.8532,
39.0423

■ 3.3494, 5.1532,
5.3212

■ 41.5402, 51.8095,
55.0493

■ 1.3411, 2.3374,
2.3749

■ 57.3656, 70.3470,
74.9240

■ 0.2137, 0.7934,
0.7727

■ 76.7727, 92.8502,
99.0851

■ 0.0000, 0.0000,
0.0000

■ 100.1268,
119.7034, 127.9510

127.7932,

151.2912, 161.9402

160.1372,
187.9977, 201.4714

■ 11.8998, 16.1470,
16.9575

■ 11.8998, 16.1470,
16.9575

■ 11.0305, 15.7163,
16.1474

■ 12.9493, 16.6709,
17.8015

■ 10.3285, 15.3709,
15.3694

■ 14.1879, 17.2913,
18.6789

■ 9.7817, 15.1050,
14.6229

■ 15.6258, 18.0138,
19.5909

■ 9.3754, 14.9109,
13.9071

■ 17.2718, 18.8431,
20.5381

■ 9.0794, 14.7733,
13.2203

■ 19.1342, 19.7834,
21.5210

■ 8.9880, 14.7309,
13.0005

■ 21.2210, 20.8388,
22.5403

■ 23.5398, 22.0132,
23.5965

■ 26.0976, 23.3102,
24.6901

■ 28.9012, 24.7334,
25.8217

Harmonies

Analogous

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



12.4236, 16.1470, 12.3108



11.8998, 16.1470, 16.9575



12.2331, 16.1470, 22.8479

Triad

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



11.8998, 16.1470, 16.9575



17.0902, 16.1470, 29.0355



17.5037, 16.1470, 10.0509

Complementary

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



11.8998, 16.1470, 16.9575



11.2920, 8.4686, 8.2477

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.



18.9495, 16.1470, 13.1935



11.8998, 16.1470, 16.9575



18.6969, 16.1470, 24.1751

Square

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



11.8998, 16.1470, 16.9575



15.1278, 16.1470, 30.6296



19.4034, 16.1470, 18.2203



15.5688, 16.1470, 8.8917

Rectangle

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



11.8998, 16.1470, 16.9575



12.9134, 16.1470, 26.6011



19.4034, 16.1470, 18.2203



18.0692, 16.1470, 10.8728

Sweetspot

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



11.9003, 16.1476, 16.9579



28.1458, 32.0209, 34.8565



11.0807, 15.9338, 7.4928



6.3242, 7.2656, 7.9038



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



11.9003, 16.1476, 16.9579



19.3190, 27.6060, 28.3193



10.9302, 13.0032, 20.3469



4.0698, 4.4975, 4.9015



9.4594, 15.5074, 13.6700



44.7874, 73.8380, 63.4436

Inverse Universe

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



11.2920, 8.4686, 8.2477



18.1184, 12.3393, 11.0458



11.8640, 10.2863, 6.3614



4.0323, 4.0286, 4.3678



8.6658, 4.4425, 1.5310



41.0612, 21.0808, 5.8522

Previews

White Background



This preview shows how the XYZ color 11.8998, 16.1470, 16.9575 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 11.8998, 16.1470, 16.9575 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 11.8998, 16.1470, 16.9575

Background



This preview shows how black text looks on a background with the XYZ color 11.8998, 16.1470, 16.9575.



This preview shows how white text looks on a background with the XYZ color 11.8998, 16.1470,

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

11.8998, 16.1470, 16.9575

Protanopia

15.2029, 15.9930, 15.1176

Deuteranopia

16.3132, 16.0326, 17.5640



Tritanopia

13.1578, 16.1182, 23.1865

Trichromacy



Original Color

11.8998, 16.1470, 16.9575

Protanomaly

13.6103, 15.8228, 15.7014

Deuteranomaly

14.1412, 15.7247, 17.3288

Tritanomaly

12.6836, 16.1033, 20.8521

Monochromacy



Original Color

11.8998, 16.1470, 16.9575

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.2456, 14.2956, 15.4785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8998, 16.1470, 16.9575 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(65, 122, 109)` looks like.

```
.text, #text, p{  
    color:rgb(65, 122, 109)  
}
```

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(65, 122, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 122, 109) }
```

Border

The CSS property to change the border of an element to XYZ 11.8998, 16.1470, 16.9575 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(65, 122, 109) }
```


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

```
.border{ border-color:rgb(65, 122, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 122, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 122, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 122, 109);  
box-shadow:4px 4px 4px 4px rgb(65, 122,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8998, 16.1470, 16.9575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 122, 109) }
```

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

```
.background{ background-color: rgb(65, 122,  
109) }
```

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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