

Converting Colors

XYZ(11.8676, 16.0498, 12.3700)

Have a look what the booklet for
XYZ(11.8676, 16.0498, 12.3700)
contains.

XYZ(11.8676, 16.0498, 12.3700)	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(11.8676, 16.0498,
12.3700)**

Conversions

Conversions Part 1

Format	Color
Hex	4E795B
RGB	78, 121, 91
RGB Percent	31%, 47%, 36%
CMY	0.6941, 0.5255, 0.6431
CMYK	0.36, 0.00, 0.25, 0.53
HSL	138°, 22%, 39%
HSV	138°, 36%, 47%
XYZ	11.8676, 16.0498, 12.3700
YIQ	104.7230, -15.9980, -18.4460

Conversions

Conversions Part 2

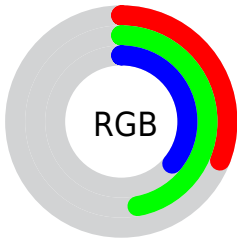
Format	Color
RYB	78, 111, 121
Decimal	5142875
CIELab	47.04, -21.82, 11.82
CIELCh	47, 24.815, 151.542
Yxy	16.0498, 0.2946, 0.3984
Android (android.graphics.Color)	4283332955 (0xFF4E795B)
YUV	104.7230, -6.7654, -23.4361
Hunter-Lab	40.0622, -17.2319, 9.7366

Details

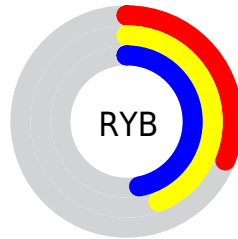
The XYZ color **11.8676, 16.0498, 12.3700** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **13.3169, 10.5968, 15.5315**, and the grayscale version is **13.3735, 14.0700, 15.3222**.

A 20% lighter version of the original color is **28.9970, 36.8623, 30.7861**, and **3.3264, 5.1002, 3.2917** is the 20% darker color. If you saturate the color by 10%, you get **10.6221, 15.4479, 10.5166**, and if you desaturate by 10%, it is **13.3374, 16.7635, 14.4485**.

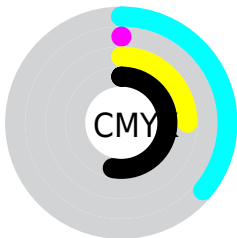
Distribution



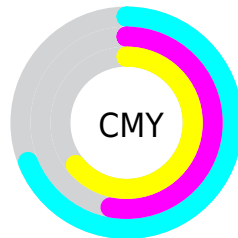
- Red (31%)
- Green (47%)
- Blue (36%)



- Red (31%)
- Yellow (44%)
- Blue (47%)



- Cyan (36%)
- Magenta (0%)
- Yellow (25%)
- Black (53%)



- Cyan (69%)
- Magenta (53%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8676, 16.0498, 12.3700 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 11.8676, 16.0498, 12.3700 by changing the saturation by 10% instead.

■ 11.8676, 16.0498,
12.3700

■ 11.8676, 16.0498,
12.3700

197.3147,
229.6354, 217.9038

■ 6.7251, 9.5594,
6.8706

■ 28.8727, 36.6846,
30.8416

■ 3.3356, 5.1078,
3.3041

■ 41.4660, 51.5979,
44.6509

■ 1.3336, 2.3107,
1.2519

■ 57.2737, 70.0875,
62.0673

■ 0.2082, 0.7793,
0.0219

■ 76.6611, 92.5379,
83.5092

■ 0.0000, 0.0000,
0.0000

■ 99.9935, 119.3335,
109.3953

127.6363,

150.8587, 140.1441

159.9549,
187.4979, 176.1740

■ 11.8676, 16.0498,
12.3700

■ 11.8676, 16.0498,
12.3700

■ 10.6221, 15.4479,
10.5166

■ 13.3374, 16.7635,
14.4485

■ 9.5883, 14.9501,
8.8796

■ 15.0407, 17.5922,
16.7583

■ 8.7541, 14.5508,
7.4514

■ 16.9879, 18.5416,
19.3066

■ 8.1058, 14.2432,
6.2234

■ 19.1882, 19.6164,
22.1000

■ 7.6279, 14.0192,
5.1866

■ 21.6505, 20.8209,
25.1448

■ 7.2942, 13.8658,
4.3307

■ 24.3830, 22.1593,
28.4471

■ 7.1651, 13.8063,
4.0033

■ 27.3939, 23.6357,
32.0129

■ 30.6907, 25.2537,
35.8479

■ 34.2807, 27.0172,
39.9575

Harmonies

Analogous

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



13.1713, 16.0498, 9.1307



11.8676, 16.0498, 12.3700



11.4468, 16.0498, 17.7997

Triad

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



11.8676, 16.0498, 12.3700



15.3676, 16.0498, 32.3790



19.1011, 16.0498, 11.9320

Complementary

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



11.8676, 16.0498, 12.3700



13.3169, 10.5968, 15.5315

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.



19.8257, 16.0498, 17.1553



11.8676, 16.0498, 12.3700



17.5473, 16.0498, 29.7900

Square

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



11.8676, 16.0498, 12.3700



13.3488, 16.0498, 30.2522



19.2321, 16.0498, 23.8220



17.3343, 16.0498, 8.9233

Rectangle

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



11.8676, 16.0498, 12.3700



11.6883, 16.0498, 22.2493



19.2321, 16.0498, 23.8220



19.4818, 16.0498, 13.4386

Sweetspot

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



11.8680, 16.0505, 12.3704



28.3647, 32.1994, 31.9007



14.4096, 17.4200, 9.8108



6.4036, 7.3224, 7.1863



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.



11.8680, 16.0505, 12.3704



19.3229, 27.8078, 19.2928



12.9267, 16.4739, 17.9454



3.9962, 4.4681, 4.5136



7.6735, 14.7931, 4.2657



36.2676, 70.4301, 18.5791

Inverse Universe

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



13.3169, 10.5968, 15.5315



22.3410, 16.4332, 25.8676



12.3140, 10.1957, 10.2506



4.1053, 4.0579, 4.7523



10.1776, 5.0472, 9.4921



48.1573, 23.9192, 43.2197

Previews

White Background



This preview shows how the XYZ color 11.8676, 16.0498, 12.3700 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 11.8676, 16.0498, 12.3700 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 11.8676, 16.0498, 12.3700

Background



This preview shows how black text looks on a background with the XYZ color 11.8676, 16.0498, 12.3700.



This preview shows how white text looks on a background with the XYZ color 11.8676, 16.0498,

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

11.8676, 16.0498, 12.3700

Protanopia

14.8354, 15.8923, 11.0897

Deuteranopia

16.1802, 15.9127, 12.8084



Tritanopia

13.7576, 15.9284, 22.0881

Trichromacy



Original Color

11.8676, 16.0498, 12.3700

Protanomaly

13.4857, 15.8496, 11.5810

Deuteranomaly

14.2004, 15.6937, 12.6367

Tritanomaly

12.9387, 15.9430, 18.0181

Monochromacy



Original Color

11.8676, 16.0498, 12.3700

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.7040, 14.7219, 14.2286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8676, 16.0498, 12.3700 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(78, 121, 91)` looks like.

```
.text, #text, p{  
    color:rgb(78, 121, 91)  
}
```

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(78, 121, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 121, 91) }
```

Border

The CSS property to change the border of an element to XYZ 11.8676, 16.0498, 12.3700 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(78, 121, 91) }
```


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

```
.border{ border-color:rgb(78, 121, 91) }
```

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

Here you see how a box with a 4 pixel rgb(78, 121, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 121, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 121, 91);  
box-shadow:4px 4px 4px 4px rgb(78, 121,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8676, 16.0498, 12.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 121, 91) }
```

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

```
.background{ background-color: rgb(78, 121,  
91) }
```

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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