

Converting Colors

XYZ(11.8288, 16.4396, 13.3479)

Have a look what the booklet for
XYZ(11.8288, 16.4396, 13.3479)
contains.

XYZ(11.8210, 16.3699, 13.3631)	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(11.8210, 16.3699,
13.3631)**

Conversions

Conversions Part 1

Format	Color
Hex	487B5F
RGB	72, 123, 95
RGB Percent	28%, 48%, 37%
CMY	0.7176, 0.5176, 0.6274
CMYK	0.41, 0.00, 0.23, 0.52
HSL	147°, 26%, 38%
HSV	147°, 41%, 48%
XYZ	11.8210, 16.3699, 13.3631
YIQ	104.5590, -21.4080, -19.5200

Conversions

Conversions Part 2

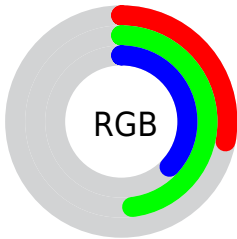
Format	Color
R_{YB}	72, 107, 123
Decimal	4750175
CIE _{Lab}	47.46, -23.94, 10.02
CIE _{LCh}	47, 25.949, 157.294
Yxy	16.3699, 0.2845, 0.3939
Android (android.graphics.Color)	4282940255 (0xFF487B5F)
YUV	104.5590, -4.7126, -28.5542
Hunter-Lab	40.4597, -18.6527, 8.7394

Details

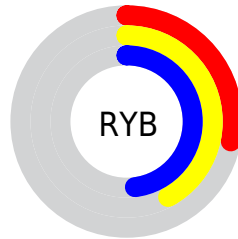
The XYZ color **11.8210, 16.3699, 13.3631** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.7866, 9.7661, 13.2684**, and the grayscale version is **13.3249, 14.0189, 15.2666**.

A 20% lighter version of the original color is **28.8045, 37.3060, 32.4707**, and **3.3340, 5.2899, 3.7511** is the 20% darker color. If you saturate the color by 10%, you get **10.7005, 15.8266, 11.7773**, and if you desaturate by 10%, it is **13.1526, 17.0198, 15.0985**.

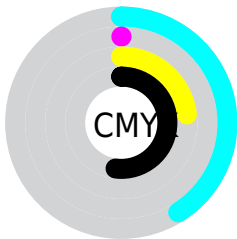
Distribution



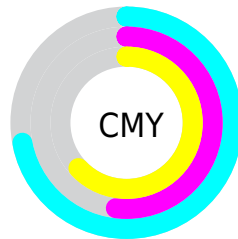
- Red (28%)
- Green (48%)
- Blue (37%)



- Red (28%)
- Yellow (42%)
- Blue (48%)



- Cyan (41%)
- Magenta (0%)
- Yellow (23%)
- Black (52%)



- Cyan (72%)
- Magenta (52%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8210, 16.3699, 13.3631 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 11.8210, 16.3699, 13.3631 by changing the saturation by 10% instead.

■ 11.8210, 16.3699,
13.3631

■ 11.8210, 16.3699,
13.3631

197.0108,
231.5146, 224.5207

■ 6.6932, 9.7863,
7.5454

■ 28.7884, 37.2392,
32.6553

■ 3.3156, 5.2575,
3.7219

■ 41.3587, 52.2936,
46.9668

■ 1.3228, 2.3991,
1.4740

■ 57.1406, 70.9405,
64.9468

■ 0.2002, 0.8254,
0.1985

■ 76.4994, 93.5642,
87.0136

■ 0.0000, 0.0000,
0.0000

■ 99.8004, 120.5490,
113.5859

127.4091,

152.2794, 145.0821

159.6908,
189.1398, 181.9209

■ 11.8210, 16.3699,
13.3631

■ 11.8210, 16.3699,
13.3631

■ 10.7005, 15.8266,
11.7773

■ 13.1526, 17.0198,
15.0985

■ 9.7779, 15.3820,
10.3358

■ 14.7046, 17.7797,
16.9862

■ 9.0410, 15.0301,
9.0348

■ 16.4874, 18.6554,
19.0303

■ 8.4751, 14.7636,
7.8699

■ 18.5105, 19.6516,
21.2344

■ 8.0634, 14.5738,
6.8361

■ 20.7826, 20.7729,
23.6021

■ 7.7842, 14.4469,
6.0520

■ 23.3122, 22.0235,
26.1366

■ 26.1071, 23.4073,
28.8412

■ 29.1751, 24.9284,
31.7191

■ 32.5234, 26.5904,
34.7734

Harmonies

Analogous

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



13.0272, 16.3699, 9.5186



11.8210, 16.3699, 13.3631



11.5669, 16.3699, 19.4833

Triad

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



11.8210, 16.3699, 13.3631



16.1282, 16.3699, 33.5957



19.3546, 16.3699, 11.1910

Complementary

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



11.8210, 16.3699, 13.3631



12.7866, 9.7661, 13.2684

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.



20.3780, 16.3699, 16.2618



11.8210, 16.3699, 13.3631



18.3995, 16.3699, 29.9370

Square

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



11.8210, 16.3699, 13.3631



13.9116, 16.3699, 32.2704



20.0123, 16.3699, 23.1813



17.3318, 16.3699, 8.4975

Rectangle

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



11.8210, 16.3699, 13.3631



11.9462, 16.3699, 24.2953



20.0123, 16.3699, 23.1813



19.8356, 16.3699, 12.6179

Sweetspot

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



11.8214, 16.3706, 13.3635



29.2420, 33.2671, 33.7619



13.5143, 17.3468, 8.7670



6.8070, 7.7956, 7.8615



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.



11.8214, 16.3706, 13.3635



19.2040, 28.3610, 21.1529



13.1735, 16.9114, 20.4836



4.0190, 4.4772, 4.6340



8.0496, 14.9435, 6.2463



37.9804, 71.1152, 27.5986

Inverse Universe

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



12.7866, 9.7661, 13.2684



21.1851, 14.7918, 20.9489



11.7409, 9.3479, 7.7618



4.0818, 4.0484, 4.6282



9.5120, 4.7810, 5.9871



44.9393, 22.6321, 26.2744

Previews

White Background



This preview shows how the XYZ color 11.8210, 16.3699, 13.3631 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 11.8210, 16.3699, 13.3631 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 11.8210, 16.3699, 13.3631

Background



This preview shows how black text looks on a background with the XYZ color 11.8210, 16.3699, 13.3631.



This preview shows how white text looks on a background with the XYZ color 11.8210, 16.3699,

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

11.8210, 16.3699, 13.3631

Protanopia

15.2474, 16.2485, 12.0055

Deuteranopia

16.4693, 16.1962, 13.8134



Tritanopia

13.8014, 16.4576, 22.8713

Trichromacy



Original Color

11.8210, 16.3699, 13.3631

Protanomaly

13.6566, 16.0883, 12.5108

Deuteranomaly

14.2471, 15.8615, 13.6199

Tritanomaly

12.9294, 16.2717, 18.9823

Monochromacy



Original Color

11.8210, 16.3699, 13.3631

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.6573, 14.8551, 14.5121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8210, 16.3699, 13.3631 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(72, 123, 95)` looks like.

```
.text, #text, p{  
    color:rgb(72, 123, 95)  
}
```

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(72, 123, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 123, 95) }
```

Border

The CSS property to change the border of an element to XYZ 11.8210, 16.3699, 13.3631 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(72, 123, 95) }
```


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

```
.border{ border-color:rgb(72, 123, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 123, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 123, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 123, 95);  
box-shadow:4px 4px 4px 4px rgb(72, 123,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8210, 16.3699, 13.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 123, 95) }
```

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

```
.background{ background-color: rgb(72, 123,  
95) }
```

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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