

Converting Colors

XYZ(14.4718, 21.8148, 13.8044)

Have a look what the booklet for
XYZ(14.4718, 21.8148, 13.8044)
contains.

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Color

**XYZ(14.4707, 21.8130,
13.8036)**

Conversions

Conversions Part 1

Format	Color
Hex	488F5D
RGB	72, 143, 93
RGB Percent	28%, 56%, 36%
CMY	0.7176, 0.4392, 0.6353
CMYK	0.50, 0.00, 0.35, 0.44
HSL	138°, 33%, 42%
HSV	138°, 50%, 56%
XYZ	14.4707, 21.8130, 13.8036
YIQ	116.0710, -26.2660, -30.6020

Conversions

Conversions Part 2

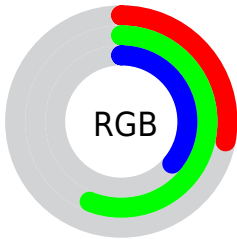
Format	Color
RYB	72, 127, 143
Decimal	4755293
CIELab	53.83, -34.00, 19.92
CIElCh	54, 39.405, 149.630
Yxy	21.8130, 0.2889, 0.4355
Android (android.graphics.Color)	4282945373 (0xFF488F5D)
YUV	116.0710, -11.3740, -38.6503
Hunter-Lab	46.7044, -26.4270, 15.1698




Details

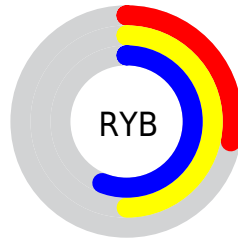
The XYZ color **14.4707, 21.8130, 13.8036** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.1585, 11.8798, 19.8015**, and the grayscale version is **16.6622, 17.5299, 19.0901**.


A 20% lighter version of the original color is **33.4577, 46.3061, 33.5601**, and **4.5014, 7.9449, 3.8810** is the 20% darker color. If you saturate the color by 10%, you get **13.1091, 21.1599, 11.5630**, and if you desaturate by 10%, it is **16.1402, 22.6193, 16.3662**.

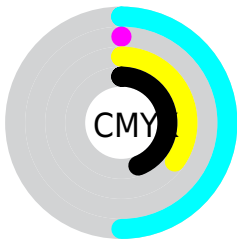
Distribution







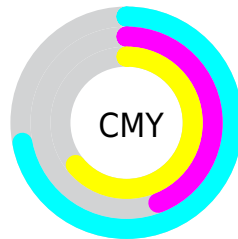
-  Red (28%)
-  Green (56%)
-  Blue (36%)






-  Red (28%)
-  Yellow (50%)
-  Blue (56%)



-  Cyan (50%)
-  Magenta (0%)
-  Yellow (35%)
-  Black (44%)



-  Cyan (72%)
-  Magenta (44%)
-  Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4707, 21.8130, 13.8036 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 14.4707, 21.8130, 13.8036 by changing the saturation by 10% instead.

■ 14.4707, 21.8130,
13.8036

■ 14.4707, 21.8130,
13.8036

213.5923,
261.5682, 227.3914

■ 8.5327, 13.7196,
7.8470

■ 33.5012, 46.4367,
33.4522

■ 4.4923, 7.9259,
3.9108

■ 47.3245, 63.7358,
47.9814

■ 1.9842, 4.0476,
1.5766

■ 64.5068, 84.8722,
66.2051

■ 0.6251, 1.7002,
0.2740

■ 85.4135, 110.2304,
88.5419

■ 0.0000, 0.4238,
0.0000

■ 110.4101,
140.1946, 115.4104

■ 0.0000, 0.0000,
0.0000

139.8619,

175.1494, 147.2291

174.1341,
215.4791, 184.4166

■ 14.4707, 21.8130,
13.8036

■ 14.4707, 21.8130,
13.8036

■ 13.1091, 21.1599,
11.5630

■ 16.1402, 22.6193,
16.3662

■ 12.0340, 20.6473,
9.6302

■ 18.1338, 23.5850,
19.2615

■ 11.2238, 20.2650,
7.9919


■ 20.4686, 24.7194,
22.5014


■ 10.6528, 20.0002,
6.6334


■ 23.1600, 26.0300,
26.0968


■ 10.2588, 19.8209,
5.5370


■ 26.2224, 27.5243,
30.0581

 10.2462, 19.8151,
5.5032

 29.6694, 29.2088,
34.3953

 33.5139, 31.0902,
39.1180

 37.7682, 33.1745,
44.2354

 42.4441, 35.4676,
49.7565

Harmonies

Analogous

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



16.9617, 21.8130, 8.6997



14.4707, 21.8130, 13.8036



13.6093, 21.8130, 23.6005

Triad

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



14.4707, 21.8130, 13.8036



20.6801, 21.8130, 55.5363



28.6468, 21.8130, 13.9859

Complementary

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



14.4707, 21.8130, 13.8036



17.1585, 11.8798, 19.8015

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.



29.9880, 21.8130, 23.9014



14.4707, 21.8130, 13.8036



25.0247, 21.8130, 50.3360

Square

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



14.4707, 21.8130, 13.8036



16.8822, 21.8130, 50.0882



28.5817, 21.8130, 37.5998



25.1280, 21.8130, 8.7769

Rectangle

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



14.4707, 21.8130, 13.8036



13.9698, 21.8130, 32.4784



28.5817, 21.8130, 37.5998



29.3869, 21.8130, 16.7459

Sweetspot

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



14.4713, 21.8139, 13.8041



38.6635, 45.2443, 43.0061



19.1446, 24.3162, 9.8154



8.6621, 10.2760, 9.5877



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



14.4713, 21.8139, 13.8041



23.1301, 37.7272, 20.1102



16.3667, 22.5721, 23.7851



5.4044, 6.0540, 6.0956



9.0675, 17.5229, 4.9096



0.0954, 0.1710, 0.0930

Inverse Universe

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



17.1585, 11.8798, 19.8015



28.5249, 17.7208, 32.1033



15.3816, 11.1691, 10.4444



5.5592, 5.4842, 6.4428



12.0893, 5.9928, 11.3877



0.1253, 0.0612, 0.1599

Previews

White Background



This preview shows how the XYZ color 14.4707, 21.8130, 13.8036 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 14.4707, 21.8130, 13.8036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

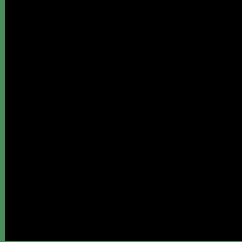
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.4707, 21.8130, 13.8036

Background



This preview shows how black text looks on a background with the XYZ color 14.4707, 21.8130, 13.8036.



This preview shows how white text looks on a background with the XYZ color 14.4707, 21.8130,

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

14.4707, 21.8130, 13.8036

Protanopia

20.0869, 21.6154, 12.1303

Deuteranopia

21.8652, 21.5318, 14.5589



Tritanopia

17.8169, 21.6462, 30.8428

Trichromacy



Original Color

14.4707, 21.8130, 13.8036

Protanomaly

17.2609, 21.1412, 12.6221

Deuteranomaly

18.1200, 20.9474, 14.1546

Tritanomaly

16.3716, 21.7030, 23.4049

Monochromacy



Original Color

14.4707, 21.8130, 13.8036

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.4232, 18.7137, 16.9866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4707, 21.8130, 13.8036 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, 143, 93)` looks like.

```
.text, #text, p{  
    color:rgb(72, 143, 93)  
}
```

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, 143, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 143, 93) }
```

Border

The CSS property to change the border of an element to XYZ 14.4707, 21.8130, 13.8036 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, 143, 93) }
```


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

```
.border{ border-color:rgb(72, 143, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 143, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 143, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 143, 93);  
box-shadow:4px 4px 4px 4px rgb(72, 143,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4707, 21.8130, 13.8036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 143, 93) }
```

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

```
.background{ background-color: rgb(72, 143,  
93) }
```

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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