

Converting Colors

XYZ(13.1290, 17.4292, 12.2798)

Have a look what the booklet for
XYZ(13.1290, 17.4292, 12.2798)
contains.

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Color

**XYZ(13.1096, 17.4317,
12.3466)**

Conversions

Conversions Part 1

Format	Color
Hex	577D5A
RGB	87, 125, 90
RGB Percent	34%, 49%, 35%
CMY	0.6588, 0.5098, 0.6471
CMYK	0.30, 0.00, 0.28, 0.51
HSL	125°, 18%, 42%
HSV	125°, 30%, 49%
XYZ	13.1096, 17.4317, 12.3466
YIQ	109.6480, -11.4130, -18.9410

Conversions

Conversions Part 2

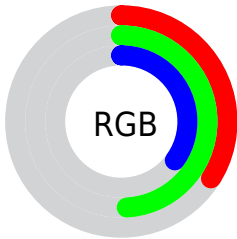
Format	Color
R_{YB}	87, 122, 125
Decimal	5733722
CIE _{Lab}	48.80, -20.97, 14.92
CIE _{LCh}	49, 25.736, 144.570
Yxy	17.4317, 0.3057, 0.4064
Android (android.graphics.Color)	4283923802 (0xFF577D5A)
YUV	109.6480, -9.6865, -19.8623
Hunter-Lab	41.7513, -17.0171, 11.6928

Details

The XYZ color **13.1096, 17.4317, 12.3466** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.3791, 12.5819, 20.0311**, and the grayscale version is **14.7498, 15.5179, 16.8990**.

A 20% lighter version of the original color is **31.1353, 39.1375, 30.7242**, and **3.8758, 5.7821, 3.2946** is the 20% darker color. If you saturate the color by 10%, you get **11.5894, 16.7008, 9.9126**, and if you desaturate by 10%, it is **14.9088, 18.2986, 15.1908**.

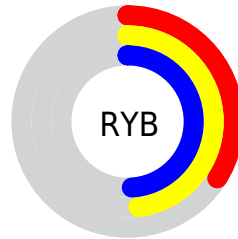
Distribution



Red (34%)

Green (49%)

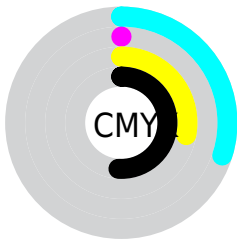
Blue (35%)



Red (34%)

Yellow (48%)

Blue (49%)

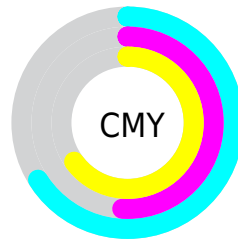


Cyan (30%)

Magenta (0%)

Yellow (28%)

Black (51%)



Cyan (66%)

Magenta (51%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1096, 17.4317, 12.3466 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 13.1096, 17.4317, 12.3466 by changing the saturation by 10% instead.

■ 13.1096, 17.4317,
12.3466

■ 13.1096, 17.4317,
12.3466

205.2423,
237.6480, 217.7453

■ 7.5816, 10.5428,
6.8548

■ 31.1002, 39.0665,
30.7986

■ 3.8779, 5.7603,
3.2944

■ 44.2935, 54.5812,
44.5959

■ 1.6333, 2.6999,
1.2468

■ 60.7725, 73.7400,
61.9987

■ 0.4140, 0.9771,
0.0176

■ 80.9028, 96.9271,
83.4256

■ 0.0000, 0.0000,
0.0000

■ 105.0495,
124.5271, 109.2952

133.5781,

156.9243, 140.0260

166.8539,
194.5032, 176.0365

■ 13.1096, 17.4317,
12.3466

■ 13.1096, 17.4317,
12.3466

■ 11.5894, 16.7008,
9.9126

■ 14.9088, 18.2986,
15.1908

■ 10.3330, 16.0970,
7.8687

■ 16.9985, 19.3057,
18.4615

■ 9.3256, 15.6137,
6.1949


■ 19.3913, 20.4595,
22.1758


■ 8.5506, 15.2427,
4.8692


■ 22.0986, 21.7656,
26.3494


■ 7.9893, 14.9750,
3.8671


■ 25.1314, 23.2293,
30.9971


 7.6202, 14.8000,
3.1607

 28.4999, 24.8556,
36.1334

 7.3880, 14.6896,
2.7294

 32.2139, 26.6493,
41.7717

 36.2829, 28.6150,
47.9254

 40.7161, 30.7571,
54.6069

Harmonies

Analogous

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



14.7359, 17.4317, 9.3758



13.1096, 17.4317, 12.3466



12.4143, 17.4317, 17.7659

Triad

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



13.1096, 17.4317, 12.3466



16.1387, 17.4317, 35.2614



21.0924, 17.4317, 14.0318

Complementary

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



13.1096, 17.4317, 12.3466



15.3791, 12.5819, 20.0311

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.



21.5587, 17.4317, 20.2485



13.1096, 17.4317, 12.3466



18.5466, 17.4317, 33.5828

Square

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



13.1096, 17.4317, 12.3466



14.0526, 17.4317, 31.7997



20.5874, 17.4317, 27.6445



19.3677, 17.4317, 10.1729

Rectangle

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



13.1096, 17.4317, 12.3466



12.5192, 17.4317, 22.4748



20.5874, 17.4317, 27.6445



21.4080, 17.4317, 15.8679

Sweetspot

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



13.1101, 17.4324, 12.3470



30.9169, 34.8007, 33.8035



17.1470, 19.5280, 11.8826



6.9201, 7.8617, 7.5141



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.



13.1101, 17.4324, 12.3470



21.6588, 30.3414, 19.2075



13.9999, 17.7884, 17.0328



4.2888, 4.8238, 4.6918



7.7093, 15.3303, 2.8418



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.3791, 12.5819, 20.0311



26.3608, 20.2867, 35.1280



14.3379, 12.1654, 14.5480



4.4840, 4.4067, 5.3531



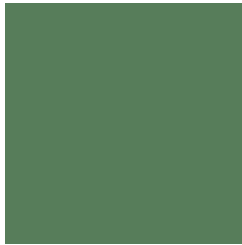
12.0635, 5.8451, 17.4558



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.1096, 17.4317, 12.3466 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 13.1096, 17.4317, 12.3466 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 13.1096, 17.4317, 12.3466

Background



This preview shows how black text looks on a background with the XYZ color 13.1096, 17.4317, 12.3466.



This preview shows how white text looks on a background with the XYZ color 13.1096, 17.4317,

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

13.1096, 17.4317, 12.3466

Protanopia

16.1226, 17.2184, 11.2778

Deuteranopia

17.4917, 17.2275, 12.7593



Tritanopia

15.2950, 17.3976, 23.3208

Trichromacy



Original Color

13.1096, 17.4317, 12.3466

Protanomaly

14.8727, 17.2613, 11.5647

Deuteranomaly

15.5133, 17.0454, 12.5977

Tritanomaly

14.3684, 17.3810, 18.8172

Monochromacy



Original Color

13.1096, 17.4317, 12.3466

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.0584, 16.0655, 15.1920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1096, 17.4317, 12.3466 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(87, 125, 90)` looks like.

```
.text, #text, p{  
    color:rgb(87, 125, 90)  
}
```

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(87, 125, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 125, 90) }
```

Border

The CSS property to change the border of an element to XYZ 13.1096, 17.4317, 12.3466 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(87, 125, 90) }
```


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

```
.border{ border-color:rgb(87, 125, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 125, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 125, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 125, 90);  
box-shadow:4px 4px 4px 4px rgb(87, 125,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1096, 17.4317, 12.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 125, 90) }
```

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

```
.background{ background-color: rgb(87, 125,  
90) }
```

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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