

Converting Colors

XYZ(12.1986, 14.6829, 13.2989)

Have a look what the booklet for
XYZ(12.1986, 14.6829, 13.2989)
contains.

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Color

**XYZ(12.1219, 14.6065,
13.2468)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7060
RGB	90, 112, 96
RGB Percent	35%, 44%, 38%
CMY	0.6471, 0.5608, 0.6235
CMYK	0.20, 0.00, 0.14, 0.56
HSL	136°, 11%, 40%
HSV	136°, 20%, 44%
XYZ	12.1219, 14.6065, 13.2468
YIQ	103.5980, -7.9760, -9.6400

Conversions

Conversions Part 2

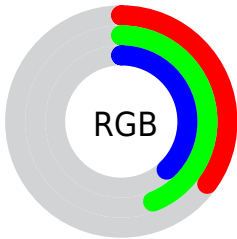
Format	Color
R_{YB}	90, 107, 112
Decimal	5927008
CIE _{Lab}	45.09, -11.64, 6.23
CIE _{LCh}	45, 13.202, 151.859
Yxy	14.6065, 0.3032, 0.3654
Android (android.graphics.Color)	4284117088 (0xFF5A7060)
YUV	103.5980, -3.7458, -11.9254
Hunter-Lab	38.2185, -10.2667, 6.2026

Details

The XYZ color **12.1219, 14.6065, 13.2468** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.9402, 11.7979, 15.2314**, and the grayscale version is **13.0623, 13.7425, 14.9656**.

A 20% lighter version of the original color is **29.2790, 34.2017, 32.2525**, and **3.4478, 4.4326, 3.6915** is the 20% darker color. If you saturate the color by 10%, you get **10.7578, 13.9448, 11.3258**, and if you desaturate by 10%, it is **13.6899, 15.3696, 15.3809**.

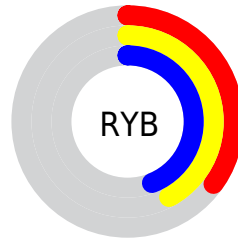
Distribution



Red (35%)

Green (44%)

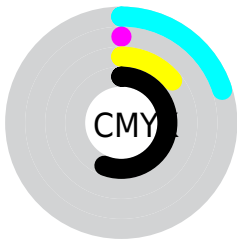
Blue (38%)



Red (35%)

Yellow (42%)

Blue (44%)

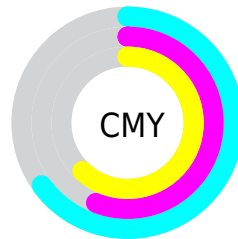


Cyan (20%)

Magenta (0%)

Yellow (14%)

Black (56%)



Cyan (65%)

Magenta (56%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1219, 14.6065, 13.2468 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 12.1219, 14.6065, 13.2468 by changing the saturation by 10% instead.

■ 12.1219, 14.6065,
13.2468

■ 12.1219, 14.6065,
13.2468

198.9641,
220.9719, 223.7565

■ 6.8995, 8.5437,
7.4660

■ 29.3319, 34.1614,
32.4441

■ 3.4451, 4.4448,
3.6724

■ 42.0502, 48.4222,
46.6977

■ 1.3933, 1.9253,
1.4474

■ 57.9978, 66.1845,
64.6127

■ 0.2514, 0.5635,
0.1783

■ 77.5402, 87.8327,
86.6075

■ 0.0000, 0.0000,
0.0000

101.0427,
113.7511, 113.1008

128.8706,

144.3242, 144.5110

161.3893,
179.9364, 181.2567

■ 12.1219, 14.6065,
13.2468

■ 12.1219, 14.6065,
13.2468

■ 10.7578, 13.9448,
11.3258

■ 13.6899, 15.3696,
15.3809

■ 9.5878, 13.3784,
9.6103

■ 15.4686, 16.2364,
17.7333

■ 8.6033, 12.9034,
8.0938

■ 17.4659, 17.2110,
20.3104

■ 7.7944, 12.5149,
6.7690

■ 19.6890, 18.2972,
23.1180

■ 7.1503, 12.2074,
5.6283

■ 22.1447, 19.4984,
26.1615

■ 6.6589, 11.9749,
4.6633

■ 24.8397, 20.8178,
29.4464

■ 6.3064, 11.8106,
3.8652

■ 27.7801, 22.2585,
32.9779

■ 6.0446, 11.6895,
3.2228

■ 30.9720, 23.8236,
36.7609

■ 6.0358, 11.6854,
3.2026

■ 34.4214, 25.5160,
40.8004

Harmonies

Analogous

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



12.8097, 14.6065, 11.3461



12.1219, 14.6065, 13.2468



11.8988, 14.6065, 16.0988

Triad

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



12.1219, 14.6065, 13.2468



13.9509, 14.6065, 22.6614



15.7333, 14.6065, 12.9516

Complementary

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



12.1219, 14.6065, 13.2468



12.9402, 11.7979, 15.2314

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.



16.0765, 14.6065, 15.7108



12.1219, 14.6065, 13.2468



15.0147, 14.6065, 21.5435

Square

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



12.1219, 14.6065, 13.2468



12.9213, 14.6065, 21.7818



15.8070, 14.6065, 18.8947



14.8914, 14.6065, 11.1919

Rectangle

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



12.1219, 14.6065, 13.2468



12.0338, 14.6065, 18.2362



15.8070, 14.6065, 18.8947



15.9127, 14.6065, 13.7797

Sweetspot

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



12.1223, 14.6071, 13.2471



25.0955, 27.5093, 28.4161



13.5999, 15.3995, 11.9286



5.9950, 6.5924, 6.7815



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.1223, 14.6071, 13.2471



20.0565, 25.0585, 21.5426



12.6579, 14.8213, 16.0674



3.3790, 3.7768, 3.8021



6.9686, 13.5049, 3.6554



34.3949, 67.1466, 16.5306

Inverse Universe

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



12.9402, 11.7979, 15.2314



21.7975, 19.0772, 25.7649



12.4103, 11.5860, 12.4407



3.4775, 3.4387, 4.0411



9.4519, 4.6731, 9.4557



46.7083, 23.1287, 45.1238

Previews

White Background



This preview shows how the XYZ color 12.1219, 14.6065, 13.2468 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 12.1219, 14.6065, 13.2468 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 12.1219, 14.6065, 13.2468

Background



This preview shows how black text looks on a background with the XYZ color 12.1219, 14.6065, 13.2468.



This preview shows how white text looks on a background with the XYZ color 12.1219, 14.6065,

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

12.1219, 14.6065, 13.2468

Protanopia

13.6854, 14.4779, 12.4291

Deuteranopia

14.8006, 14.5754, 13.5885



Tritanopia

13.3547, 14.6250, 19.2586

Trichromacy



Original Color

12.1219, 14.6065, 13.2468

Protanomaly

12.9765, 14.4168, 12.6885

Deuteranomaly

13.6184, 14.4223, 13.3753

Tritanomaly

12.9046, 14.6048, 16.8907

Monochromacy



Original Color

12.1219, 14.6065, 13.2468

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.7522, 14.1076, 14.3628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1219, 14.6065, 13.2468 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(90, 112, 96) looks like.

```
.text, #text, p{  
    color:rgb(90, 112, 96)  
}
```

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(90, 112, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 112, 96) }
```

Border

The CSS property to change the border of an element to XYZ 12.1219, 14.6065, 13.2468 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(90, 112, 96) }
```


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

```
.border{ border-color:rgb(90, 112, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 112, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 112, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 112, 96);  
box-shadow:4px 4px 4px 4px rgb(90, 112,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1219, 14.6065, 13.2468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 112, 96) }
```

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

```
.background{ background-color: rgb(90, 112,  
96) }
```

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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