

Converting Colors

XYZ(12.8086, 14.6600, 16.5525)

Have a look what the booklet for
XYZ(12.8086, 14.6600, 16.5525)
contains.

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Color

**XYZ(12.8584, 14.7483,
16.6370)**

Conversions

Conversions Part 1

Format	Color
Hex	5C6F6D
RGB	92, 111, 109
RGB Percent	36%, 44%, 43%
CMY	0.6392, 0.5647, 0.5725
CMYK	0.17, 0.00, 0.02, 0.56
HSL	174°, 9%, 40%
HSV	174°, 17%, 44%
XYZ	12.8584, 14.7483, 16.6370
YIQ	105.0910, -10.6820, -4.6500

Conversions

Conversions Part 2

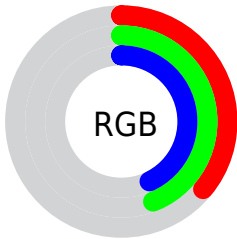
Format	Color
R_{YB}	92, 102, 111
Decimal	6057837
CIE Lab	45.29, -7.49, -1.25
CIE LCh	45, 7.598, 189.501
Yxy	14.7483, 0.2906, 0.3333
Android (android.graphics.Color)	4284247917 (0xFF5C6F6D)
YUV	105.0910, 1.9271, -11.4808
Hunter-Lab	38.4035, -7.4402, 1.1971

Details

The XYZ color **12.8584, 14.7483, 16.6370** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4036, 11.8424, 12.2224**, and the grayscale version is **13.4493, 14.1497, 15.4090**.

A 20% lighter version of the original color is **30.5977, 34.4832, 38.3010**, and **3.7737, 4.4837, 5.2240** is the 20% darker color. If you saturate the color by 10%, you get **11.7674, 14.1935, 16.2598**, and if you desaturate by 10%, it is **14.1136, 15.3885, 17.0269**.

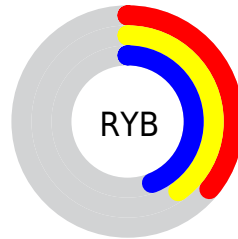
Distribution



Red (36%)

Green (44%)

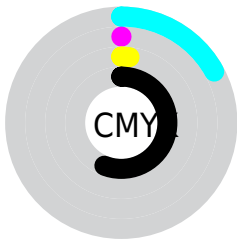
Blue (43%)



Red (36%)

Yellow (40%)

Blue (44%)

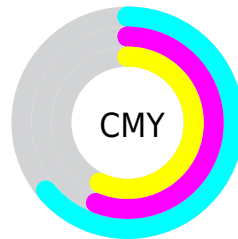


Cyan (17%)

Magenta (0%)

Yellow (2%)

Black (56%)



Cyan (64%)

Magenta (56%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8584, 14.7483, 16.6370 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 12.8584, 14.7483, 16.6370 by changing the saturation by 10% instead.

■ 12.8584, 14.7483,
16.6370

■ 12.8584, 14.7483,
16.6370

203.6642,
221.8377, 245.0445

■ 7.4074, 8.6429,
9.8168

■ 30.6526, 34.4110,
38.4826

■ 3.7668, 4.5090,
5.1737

■ 43.7266, 48.7371,
54.3452

■ 1.5711, 1.9622,
2.2890

■ 60.0723, 66.5723,
74.0589

■ 0.3734, 0.5854,
0.7250

■ 80.0551, 88.3009,
98.0424

■ 0.0000, 0.0000,
0.0000

104.0404,
114.3074, 126.7141

132.3934,

144.9761, 160.4927

165.4795,
180.6913, 199.7966

■ 12.8584, 14.7483,
16.6370

■ 12.8584, 14.7483,
16.6370

■ 11.7674, 14.1935,
16.2598

■ 14.1136, 15.3885,
17.0269

■ 10.8322, 13.7185,
15.8940

■ 15.5384, 16.1155,
17.4287

■ 10.0459, 13.3202,
15.5394

■ 17.1393, 16.9333,
17.8432

■ 9.4000, 12.9942,
15.1958

■ 18.9225, 17.8450,
18.2707

■ 8.8858, 12.7359,
14.8626

■ 20.8933, 18.8533,
18.7114

■ 8.4931, 12.5402,
14.5394

■ 23.0574, 19.9611,
19.1656

■ 8.2104, 12.4011,
14.2257

■ 25.4199, 21.1711,
19.6335

■ 8.0079, 12.3033,
13.9199

■ 27.9858, 22.4858,
20.1155

■ 7.9517, 12.2762,
13.8326

■ 30.7598, 23.9078,
20.6117

Harmonies

Analogous

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



12.9151, 14.7483, 14.8756



12.8584, 14.7483, 16.6370



13.1051, 14.7483, 18.3641

Triad

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



12.8584, 14.7483, 16.6370



14.8014, 14.7483, 18.8823



14.4457, 14.7483, 13.0274

Complementary

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



12.8584, 14.7483, 16.6370



12.4036, 11.8424, 12.2224

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.



14.9720, 14.7483, 13.9542



12.8584, 14.7483, 16.6370



15.1816, 14.7483, 17.3022

Square

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



12.8584, 14.7483, 16.6370



14.2184, 14.7483, 19.7229



15.2449, 14.7483, 15.4934



13.8191, 14.7483, 12.8785

Rectangle

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



12.8584, 14.7483, 16.6370



13.4129, 14.7483, 19.2319



15.2449, 14.7483, 15.4934



14.6407, 14.7483, 13.2548

Sweetspot

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



12.8588, 14.7489, 16.6373



25.7527, 27.7998, 30.6290



12.2550, 14.5333, 12.2848



6.1549, 6.6624, 7.3491



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.



12.8588, 14.7489, 16.6373



22.1190, 25.9481, 29.4870



12.2052, 13.2672, 16.9571



3.4606, 3.8094, 4.2316



9.3642, 14.4632, 16.2703



46.4584, 71.9720, 80.0565

Inverse Universe

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



12.4036, 11.8424, 12.2224



21.1223, 19.5825, 19.8191



12.9766, 13.1302, 11.9760



3.3975, 3.4067, 3.6198



7.7952, 4.0105, 0.7314



38.6684, 19.9127, 2.7860

Previews

White Background



This preview shows how the XYZ color 12.8584, 14.7483, 16.6370 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 12.8584, 14.7483, 16.6370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

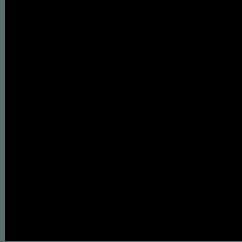
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

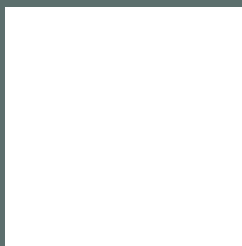
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8584, 14.7483, 16.6370

Background



This preview shows how black text looks on a background with the XYZ color 12.8584, 14.7483, 16.6370.



This preview shows how white text looks on a background with the XYZ color 12.8584, 14.7483,

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

12.8584, 14.7483, 16.6370

Protanopia

14.0622, 14.5999, 15.7126

Deuteranopia

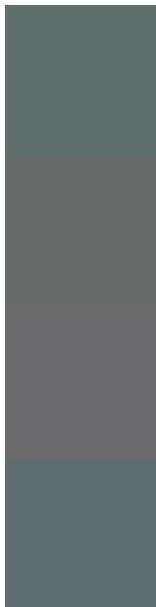
14.9672, 14.7394, 16.8080



Tritanopia

13.4620, 14.8395, 19.2943

Trichromacy



Original Color

12.8584, 14.7483, 16.6370

Protanomaly

13.6099, 14.6702, 16.0242

Deuteranomaly

14.1356, 14.7670, 16.8571

Tritanomaly

13.1846, 14.7168, 18.3654

Monochromacy



Original Color

12.8584, 14.7483, 16.6370

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.1147, 14.2653, 15.6979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8584, 14.7483, 16.6370 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(92, 111, 109) looks like.

```
.text, #text, p{  
    color:rgb(92, 111, 109)  
}
```

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(92, 111, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 111, 109) }
```

Border

The CSS property to change the border of an element to XYZ 12.8584, 14.7483, 16.6370 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(92, 111, 109) }
```


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

```
.border{ border-color:rgb(92, 111, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 111, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 111, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 111, 109);  
box-shadow:4px 4px 4px 4px rgb(92, 111,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8584, 14.7483, 16.6370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 111, 109) }
```

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

```
.background{ background-color: rgb(92, 111,  
109) }
```

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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