

Converting Colors

XYZ(12.9384, 14.9125, 18.6943)

Have a look what the booklet for
XYZ(12.9384, 14.9125, 18.6943)
contains.

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Color

**XYZ(12.9711, 14.9240,
18.7200)**

Conversions

Conversions Part 1

Format	Color
Hex	587074
RGB	88, 112, 116
RGB Percent	35%, 44%, 45%
CMY	0.6549, 0.5608, 0.5451
CMYK	0.24, 0.03, 0.00, 0.55
HSL	189°, 14%, 40%
HSV	189°, 24%, 45%
XYZ	12.9711, 14.9240, 18.7200
YIQ	105.2800, -15.5880, -3.8440

Conversions

Conversions Part 2

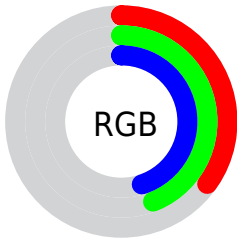
Format	Color
R _Y B	88, 101, 116
Decimal	5795956
CIE Lab	45.53, -7.79, -5.12
CIE LCh	46, 9.325, 213.334
Yxy	14.9240, 0.2783, 0.3202
Android (android.graphics.Color)	4283986036 (0xFF587074)
YUV	105.2800, 5.2850, -15.1546
Hunter-Lab	38.6316, -7.6714, -1.6885

Details

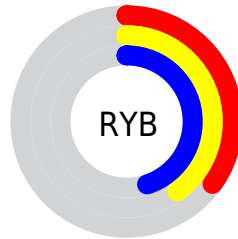
The XYZ color **12.9711, 14.9240, 18.7200** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.7913, 12.0721, 10.8889**, and the grayscale version is **13.4927, 14.1954, 15.4587**.

A 20% lighter version of the original color is **30.9908, 34.8670, 42.1424**, and **3.7912, 4.5556, 6.1483** is the 20% darker color. If you saturate the color by 10%, you get **11.7782, 14.0406, 18.6126**, and if you desaturate by 10%, it is **14.3430, 15.9055, 18.8374**.

Distribution



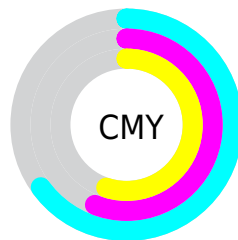
- Red (35%)
- Green (44%)
- Blue (45%)



- Red (35%)
- Yellow (40%)
- Blue (45%)



- Cyan (24%)
- Magenta (3%)
- Yellow (0%)
- Black (55%)



- Cyan (65%)
- Magenta (56%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9711, 14.9240, 18.7200 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 12.9711, 14.9240, 18.7200 by changing the saturation by 10% instead.

■ 12.9711, 14.9240,
18.7200

■ 12.9711, 14.9240,
18.7200

204.3737,
222.9058, 257.2696

■ 7.4855, 8.7661,
11.2934

■ 30.8536, 34.7198,
42.0908

■ 3.8166, 4.5889,
6.1479

■ 43.9812, 49.1265,
58.8721

■ 1.5989, 2.0081,
2.8650

■ 60.3869, 67.0515,
79.6086

■ 0.3917, 0.6122,
1.0261

■ 80.4360, 88.8792,
104.7190

■ 0.0000, 0.0000,
0.0000

■ 104.4939,
114.9942, 134.6217

132.9259,

145.7806, 169.7354

166.0974,
181.6230, 210.4785

■ 12.9711, 14.9240,
18.7200

■ 12.9711, 14.9240,
18.7200

■ 11.7782, 14.0406,
18.6126

■ 14.3430, 15.9055,
18.8374

■ 10.7548, 13.2490,
18.5138

■ 15.9002, 16.9872,
18.9641

■ 9.8923, 12.5454,
18.4234

■ 17.6506, 18.1735,
19.1008

■ 9.1810, 11.9247,
18.3411

■ 19.6010, 19.4679,
19.2479

■ 8.6100, 11.3811,
18.2663

■ 21.7578, 20.8739,
19.4056

■ 8.1669, 10.9084,
18.1984

■ 24.1274, 22.3947,
19.5742

■ 7.8337, 10.4972,
18.1366

■ 26.7156, 24.0334,
19.7541

■ 7.6555, 10.2671,
18.1015

■ 29.5283, 25.7929,
19.9455

■ 32.5709, 27.6762,
20.1486

Harmonies

Analogous

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



12.7429, 14.9240, 16.5002



12.9711, 14.9240, 18.7200



13.5239, 14.9240, 20.3877

Triad

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



12.9711, 14.9240, 18.7200



15.5644, 14.9240, 18.2497



14.0980, 14.9240, 12.3363

Complementary

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



12.9711, 14.9240, 18.7200



12.7913, 12.0721, 10.8889

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.



14.8670, 14.9240, 12.7133



12.9711, 14.9240, 18.7200



15.7316, 14.9240, 16.0018

Square

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



12.9711, 14.9240, 18.7200



15.0230, 14.9240, 20.0992



15.4720, 14.9240, 14.0069



13.3784, 14.9240, 12.9261

Rectangle

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



12.9711, 14.9240, 18.7200



14.0118, 14.9240, 20.8882



15.4720, 14.9240, 14.0069



14.3592, 14.9240, 12.3543

Sweetspot

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



12.9715, 14.9246, 18.7203



27.0817, 29.2627, 33.2654



12.1904, 15.3339, 12.3818



6.4340, 6.9625, 7.9338



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.9715, 14.9246, 18.7203



21.5895, 25.3440, 32.7985



11.5699, 12.1214, 18.2531



3.7409, 4.0704, 4.6787



8.5811, 11.5018, 20.3104



41.3395, 55.0955, 98.8160

Inverse Universe

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



13.6172, 11.8627, 16.9019



22.9503, 19.0249, 28.9359



14.0908, 14.6711, 11.3221



3.8052, 3.7494, 4.5012



10.6285, 5.1851, 13.7835



51.5530, 25.1713, 65.9006

Previews

White Background



This preview shows how the XYZ color 12.9711, 14.9240, 18.7200 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 12.9711, 14.9240, 18.7200 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

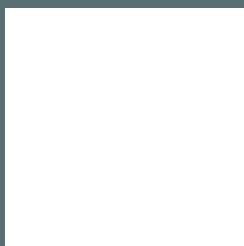
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9711, 14.9240, 18.7200

Background



This preview shows how black text looks on a background with the XYZ color 12.9711, 14.9240, 18.7200.



This preview shows how white text looks on a background with the XYZ color 12.9711, 14.9240,

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

12.9711, 14.9240, 18.7200

Protanopia

14.4227, 14.8958, 17.7378

Deuteranopia

15.1316, 14.9219, 19.2222



Tritanopia

13.1944, 14.8488, 19.9400

Trichromacy



Original Color

12.9711, 14.9240, 18.7200

Protanomaly

13.8727, 14.9189, 18.0680

Deuteranomaly

14.2824, 14.9525, 18.9630

Tritanomaly

13.1340, 14.8246, 19.6220

Monochromacy



Original Color

12.9711, 14.9240, 18.7200

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.2685, 14.4819, 16.5640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9711, 14.9240, 18.7200 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(88, 112, 116) looks like.

```
.text, #text, p{  
    color:rgb(88, 112, 116)  
}
```

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(88, 112, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 112, 116) }
```

Border

The CSS property to change the border of an element to XYZ 12.9711, 14.9240, 18.7200 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(88, 112, 116) }
```


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

```
.border{ border-color:rgb(88, 112, 116) }
```

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

Here you see how a box with a 4 pixel rgb(88, 112, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 112, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 112, 116);  
box-shadow:4px 4px 4px 4px rgb(88, 112,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9711, 14.9240, 18.7200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 112, 116) }
```

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

```
.background{ background-color: rgb(88, 112,  
116) }
```

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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