

Converting Colors

XYZ(12.9372, 14.9779, 16.9804)

Have a look what the booklet for
XYZ(12.9372, 14.9779, 16.9804)
contains.

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Color

**XYZ(12.9230, 14.9383,
16.9541)**

Conversions

Conversions Part 1

Format	Color
Hex	5B706E
RGB	91, 112, 110
RGB Percent	36%, 44%, 43%
CMY	0.6431, 0.5608, 0.5686
CMYK	0.19, 0.00, 0.02, 0.56
HSL	174°, 10%, 40%
HSV	174°, 19%, 44%
XYZ	12.9230, 14.9383, 16.9541
YIQ	105.4930, -11.8740, -5.0740

Conversions

Conversions Part 2

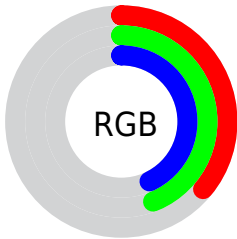
Format	Color
R_{YB}	91, 102, 112
Decimal	5992558
CIE _{Lab}	45.55, -8.19, -1.48
CIE _{LCh}	46, 8.326, 190.220
Yxy	14.9383, 0.2884, 0.3333
Android (android.graphics.Color)	4284182638 (0xFF5B706E)
YUV	105.4930, 2.2220, -12.7104
Hunter-Lab	38.6501, -7.9546, 1.0471

Details

The XYZ color **12.9230, 14.9383, 16.9541** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3995, 11.7176, 11.9647**, and the grayscale version is **13.5579, 14.2640, 15.5335**.

A 20% lighter version of the original color is **30.7816, 34.8223, 39.2814**, and **3.8128, 4.5836, 5.3864** is the 20% darker color. If you saturate the color by 10%, you get **11.8426, 14.3884, 16.6022**, and if you desaturate by 10%, it is **14.1698, 15.5747, 17.3181**.

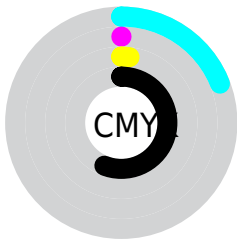
Distribution



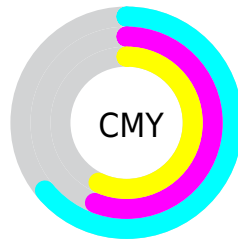
- Red (36%)
- Green (44%)
- Blue (43%)



- Red (36%)
- Yellow (40%)
- Blue (44%)



- Cyan (19%)
- Magenta (0%)
- Yellow (2%)
- Black (56%)



- Cyan (64%)
- Magenta (56%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9230, 14.9383, 16.9541 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 12.9230, 14.9383, 16.9541 by changing the saturation by 10% instead.

■ 12.9230, 14.9383,
16.9541

■ 12.9230, 14.9383,
16.9541

204.0712,
222.9925, 246.9427

■ 7.4522, 8.7761,
10.0402

■ 30.7679, 34.7449,
39.0364

■ 3.7953, 4.5954,
5.3196

■ 43.8726, 49.1581,
55.0419

■ 1.5870, 2.0119,
2.3740

■ 60.2528, 67.0904,
74.9149

■ 0.3839, 0.6144,
0.7722

■ 80.2736, 88.9262,
99.0740

■ 0.0000, 0.0000,
0.0000

104.3005,
115.0499, 127.9379

132.6988,

145.8459, 161.9249

165.8339,
181.6987, 201.4537

■ 12.9230, 14.9383,
16.9541

■ 12.9230, 14.9383,
16.9541

■ 11.8426, 14.3884,
16.6022

■ 14.1698, 15.5747,
17.3181

■ 10.9201, 13.9194,
16.2610

■ 15.5885, 16.2992,
17.6934

■ 10.1479, 13.5279,
15.9305

■ 17.1860, 17.1158,
18.0808

■ 9.5177, 13.2094,
15.6103

■ 18.9684, 18.0277,
18.4806

■ 9.0201, 12.9592,
15.2999

■ 20.9415, 19.0378,
18.8930

■ 8.6446, 12.7719,
14.9988

■ 23.1109, 20.1490,
19.3183

■ 8.3791, 12.6413,
14.7064

■ 25.4820, 21.3641,
19.7567

■ 8.1835, 12.5466,
14.4208

■ 28.0598, 22.6857,
20.2086

■ 8.1595, 12.5349,
14.3854

■ 30.8493, 24.1163,
20.6742

Harmonies

Analogous

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



12.9772, 14.9383, 15.0038



12.9230, 14.9383, 16.9541



13.2019, 14.9383, 18.8649

Triad

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



12.9230, 14.9383, 16.9541



15.0793, 14.9383, 19.3673



14.6556, 14.9383, 12.9220

Complementary

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



12.9230, 14.9383, 16.9541



12.3995, 11.7176, 11.9647

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.



15.2438, 14.9383, 13.9162



12.9230, 14.9383, 16.9541



15.4939, 14.9383, 17.5956

Square

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



12.9230, 14.9383, 16.9541



14.4369, 14.9383, 20.3315



15.5551, 14.9383, 15.5954



13.9625, 14.9383, 12.7809

Rectangle

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



12.9230, 14.9383, 16.9541



13.5447, 14.9383, 19.8197



15.5551, 14.9383, 15.5954



14.8728, 14.9383, 13.1634

Sweetspot

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



12.9234, 14.9389, 16.9544



25.5086, 27.6745, 30.5912



12.2072, 14.6767, 12.0872



6.1014, 6.6349, 7.3421



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.



12.9234, 14.9389, 16.9544



21.7456, 25.7553, 29.4807



12.1496, 13.2148, 17.2404



3.4619, 3.8100, 4.2388



9.4280, 14.4887, 16.6062



46.7916, 72.1053, 81.8111

Inverse Universe

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



12.3995, 11.7176, 11.9647



20.6247, 18.8624, 18.8054



13.0708, 13.2002, 11.7567



3.3962, 3.4062, 3.6133



7.7878, 4.0075, 0.6927



38.6418, 19.9021, 2.6461

Previews

White Background



This preview shows how the XYZ color 12.9230, 14.9383, 16.9541 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 12.9230, 14.9383, 16.9541 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

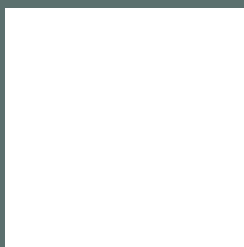
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9230, 14.9383, 16.9541

Background



This preview shows how black text looks on a background with the XYZ color 12.9230, 14.9383, 16.9541.



This preview shows how white text looks on a background with the XYZ color 12.9230, 14.9383,

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

12.9230, 14.9383, 16.9541

Protanopia

14.3419, 14.8919, 16.0284

Deuteranopia

15.0774, 14.7835, 17.3881



Tritanopia

13.5284, 15.0279, 19.6404

Trichromacy



Original Color

12.9230, 14.9383, 16.9541

Protanomaly

13.7689, 14.9036, 16.3383

Deuteranomaly

14.1903, 14.7889, 17.1456

Tritanomaly

13.2505, 14.9051, 18.7016

Monochromacy



Original Color

12.9230, 14.9383, 16.9541

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.2719, 14.4960, 16.0084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9230, 14.9383, 16.9541 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(91, 112, 110) looks like.

```
.text, #text, p{  
    color:rgb(91, 112, 110)  
}
```

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(91, 112, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 112, 110) }
```

Border

The CSS property to change the border of an element to XYZ 12.9230, 14.9383, 16.9541 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(91, 112, 110) }
```


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

```
.border{ border-color:rgb(91, 112, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 112, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 112, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 112, 110);  
box-shadow:4px 4px 4px 4px rgb(91, 112,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9230, 14.9383, 16.9541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 112, 110) }
```

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

```
.background{ background-color: rgb(91, 112,  
110) }
```

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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