

Converting Colors

XYZ(12.7689, 14.5647, 16.7186)

Have a look what the booklet for
XYZ(12.7689, 14.5647, 16.7186)
contains.

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Color

**XYZ(12.7499, 14.5313,
16.6008)**

Conversions

Conversions Part 1

Format	Color
Hex	5C6E6D
RGB	92, 110, 109
RGB Percent	36%, 43%, 43%
CMY	0.6392, 0.5686, 0.5725
CMYK	0.16, 0.00, 0.01, 0.57
HSL	177°, 9%, 40%
HSV	177°, 16%, 43%
XYZ	12.7499, 14.5313, 16.6008
YIQ	104.5040, -10.4070, -4.1270

Conversions

Conversions Part 2

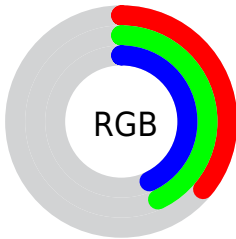
Format	Color
R_{YB}	92, 101, 110
Decimal	6057581
CIE _{Lab}	44.99, -6.92, -1.70
CIE _{LCh}	45, 7.121, 193.790
Yxy	14.5313, 0.2905, 0.3311
Android (android.graphics.Color)	4284247661 (0xFF5C6E6D)
YUV	104.5040, 2.2165, -10.9660
Hunter-Lab	38.1199, -7.0074, 0.8638

Details

The XYZ color **12.7499, 14.5313, 16.6008** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.2339, 11.7601, 11.9818**, and the grayscale version is **13.2899, 13.9820, 15.2264**.

A 20% lighter version of the original color is **30.4208, 34.1295, 38.2420**, and **3.7188, 4.3739, 5.2057** is the 20% darker color. If you saturate the color by 10%, you get **11.6971, 13.9928, 16.3804**, and if you desaturate by 10%, it is **13.9633, 15.1534, 16.8305**.

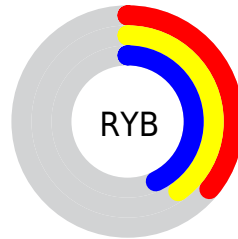
Distribution



Red (36%)

Green (43%)

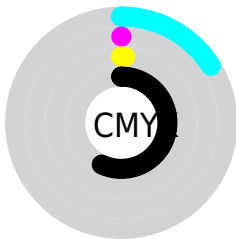
Blue (43%)



Red (36%)

Yellow (40%)

Blue (43%)

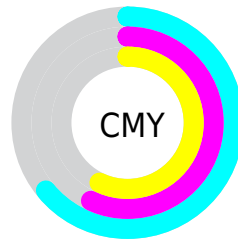


Cyan (16%)

Magenta (0%)

Yellow (1%)

Black (57%)



Cyan (64%)

Magenta (57%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7499, 14.5313, 16.6008 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 12.7499, 14.5313, 16.6008 by changing the saturation by 10% instead.

■ 12.7499, 14.5313,
16.6008

■ 12.7499, 14.5313,
16.6008

202.9787,
220.5115, 244.8269

■ 7.3324, 8.4911,
9.7913

■ 30.4589, 34.0288,
38.4193

■ 3.7190, 4.4108,
5.1570

■ 43.4810, 48.2549,
54.2655

■ 1.5444, 1.9059,
2.2793

■ 59.7688, 65.9785,
73.9609

■ 0.3558, 0.5519,
0.7196

■ 79.6875, 87.5838,
97.9243

■ 0.0000, 0.0000,
0.0000

103.6024,
113.4554, 126.5740

131.8791,

143.9776, 160.3286

164.8827,
179.5349, 199.6067

■ 12.7499, 14.5313,
16.6008

■ 12.7499, 14.5313,
16.6008

■ 11.6971, 13.9928,
16.3804

■ 13.9633, 15.1534,
16.8305

■ 10.7969, 13.5325,
16.1680

■ 15.3426, 15.8606,
17.0689

■ 10.0424, 13.1472,
15.9637

■ 16.8942, 16.6566,
17.3166

■ 9.4255, 12.8329,
15.7670

■ 18.6240, 17.5444,
17.5737

■ 8.9376, 12.5851,
15.5775

■ 20.5373, 18.5269,
17.8407

■ 8.5689, 12.3987,
15.3947

■ 22.6396, 19.6067,
18.1178

■ 8.3084, 12.2680,
15.2182

■ 24.9358, 20.7864,
18.4051

■ 8.1302, 12.1798,
15.0468

■ 27.4308, 22.0686,
18.7030

■ 8.0689, 12.1494,
14.9849

■ 30.1293, 23.4558,
19.0116

Harmonies

Analogous

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



12.7615, 14.5313, 14.9416



12.7499, 14.5313, 16.6008



13.0170, 14.5313, 18.1526

Triad

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



12.7499, 14.5313, 16.6008



14.6030, 14.5313, 18.2580



14.1273, 14.5313, 12.9317

Complementary

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



12.7499, 14.5313, 16.6008



12.2339, 11.7601, 11.9818

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.



14.6378, 14.5313, 13.7002



12.7499, 14.5313, 16.6008



14.9177, 14.5313, 16.7366

Square

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



12.7499, 14.5313, 16.6008



14.0808, 14.5313, 19.1539



14.9306, 14.5313, 15.0682



13.5457, 14.5313, 12.9010

Rectangle

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



12.7499, 14.5313, 16.6008



13.3217, 14.5313, 18.8850



14.9306, 14.5313, 15.0682



14.3133, 14.5313, 13.1097

Sweetspot

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



12.7503, 14.5319, 16.6011



24.8035, 26.7559, 29.6071



12.0426, 14.2628, 12.2438



5.7440, 6.2119, 6.8847



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.7503, 14.5319, 16.6011



21.5866, 25.1078, 28.9902



11.9996, 12.9437, 16.6185



3.4673, 3.8121, 4.2673



9.6893, 14.5932, 17.9823



48.1598, 72.6526, 89.0156

Inverse Universe

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



12.2339, 11.7601, 11.9818



20.4800, 19.1676, 19.0913



12.9007, 13.1643, 11.9866



3.3913, 3.4042, 3.5875



7.7615, 3.9970, 0.5539



38.5590, 19.8689, 2.2099

Previews

White Background



This preview shows how the XYZ color 12.7499, 14.5313, 16.6008 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 12.7499, 14.5313, 16.6008 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

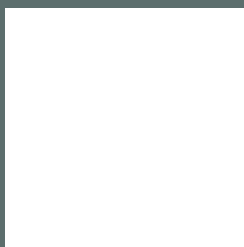
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7499, 14.5313, 16.6008

Background



This preview shows how black text looks on a background with the XYZ color 12.7499, 14.5313, 16.6008.



This preview shows how white text looks on a background with the XYZ color 12.7499, 14.5313,

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

12.7499, 14.5313, 16.6008

Protanopia

13.9399, 14.5368, 15.7068

Deuteranopia

14.7350, 14.4711, 16.7684



Tritanopia

13.2956, 14.6013, 18.9472

Trichromacy



Original Color

12.7499, 14.5313, 16.6008

Protanomaly

13.3910, 14.4017, 15.9839

Deuteranomaly

14.0319, 14.5597, 16.8226

Tritanomaly

13.0201, 14.4793, 18.0281

Monochromacy



Original Color

12.7499, 14.5313, 16.6008

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 12.7499, 14.5313, 16.6008 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, 110, 109) looks like.

```
.text, #text, p{  
    color:rgb(92, 110, 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, 110, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 110, 109) }
```

Border

The CSS property to change the border of an element to XYZ 12.7499, 14.5313, 16.6008 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, 110, 109) }
```


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

```
.border{ border-color:rgb(92, 110, 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, 110, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 110, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 110, 109);  
box-shadow:4px 4px 4px 4px rgb(92, 110,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7499, 14.5313, 16.6008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 110, 109) }
```

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

```
.background{ background-color: rgb(92, 110,  
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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