

Converting Colors

XYZ(14.7174, 16.8679, 16.7292)

Have a look what the booklet for
XYZ(14.7174, 16.8679, 16.7292)
contains.

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Color

**XYZ(14.6647, 16.8644,
16.6696)**

Conversions

Conversions Part 1

Format	Color
Hex	66766C
RGB	102, 118, 108
RGB Percent	40%, 46%, 42%
CMY	0.6000, 0.5372, 0.5765
CMYK	0.14, 0.00, 0.08, 0.54
HSL	142°, 7%, 43%
HSV	142°, 14%, 46%
XYZ	14.6647, 16.8644, 16.6696
YIQ	112.0760, -6.3260, -6.5020

Conversions

Conversions Part 2

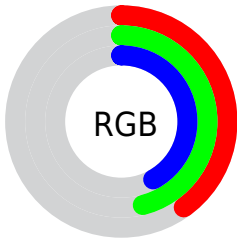
Format	Color
R_{YB}	102, 114, 118
Decimal	6714988
CIE Lab	48.09, -8.07, 3.51
CIE LCh	48, 8.800, 156.523
Yxy	16.8644, 0.3043, 0.3499
Android (android.graphics.Color)	4284905068 (0xFF66766C)
YUV	112.0760, -2.0095, -8.8367
Hunter-Lab	41.0663, -8.1240, 4.6794

Details

The XYZ color **14.6647, 16.8644, 16.6696** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1478, 14.5245, 17.3352**, and the grayscale version is **15.4308, 16.2344, 17.6793**.

A 20% lighter version of the original color is **33.7696, 38.0250, 38.3606**, and **4.6080, 5.5295, 5.2393** is the 20% darker color. If you saturate the color by 10%, you get **13.0454, 16.0735, 14.6308**, and if you desaturate by 10%, it is **16.5086, 17.7681, 18.8930**.

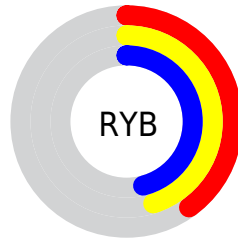
Distribution



Red (40%)

Green (46%)

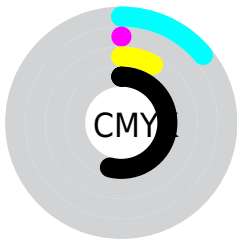
Blue (42%)



Red (40%)

Yellow (45%)

Blue (46%)

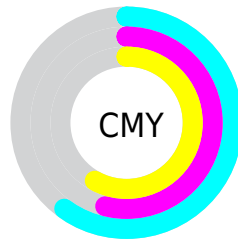


Cyan (14%)

Magenta (0%)

Yellow (8%)

Black (54%)



Cyan (60%)

Magenta (54%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6647, 16.8644, 16.6696 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 14.6647, 16.8644, 16.6696 by changing the saturation by 10% instead.

■ 14.6647, 16.8644,
16.6696

■ 14.6647, 16.8644,
16.6696

214.7565,
234.3897, 245.2403

■ 8.6692, 10.1379,
9.8397

■ 33.8404, 38.0925,
38.5397

■ 4.5814, 5.4905,
5.1886

■ 47.7513, 53.3628,
54.4169

■ 2.0360, 2.5378,
2.2977

■ 65.0313, 72.2499,
74.1471

■ 0.6541, 0.8955,
0.7299

■ 86.0459, 95.1380,
98.1487

■ 0.0000, 0.0000,
0.0000

111.1603,
122.4117, 126.8403

140.7400,

154.4553, 160.6404

175.1503,
191.6532, 199.9675

■ 14.6647, 16.8644,
16.6696

■ 14.6647, 16.8644,
16.6696

■ 13.0454, 16.0735,
14.6308

■ 16.5086, 17.7681,
18.8930

■ 11.6404, 15.3890,
12.7709

■ 18.5839, 18.7868,
21.3044

■ 10.4408, 14.8066,
11.0852

■ 20.8991, 19.9251,
23.9085

■ 9.4365, 14.3214,
9.5687

■ 23.4616, 21.1868,
26.7096

■ 8.6163, 13.9277,
8.2161

■ 26.2787, 22.5755,
29.7116

■ 7.9681, 13.6193,
7.0217

■ 29.3571, 24.0946,
32.9187

■ 7.4781, 13.3892,
5.9795

■ 32.7035, 25.7477,
36.3345

■ 7.1282, 13.2283,
5.0829

■ 36.3243, 27.5377,
39.9629

■ 6.9381, 13.1413,
4.5781

■ 40.2256, 29.4678,
43.8074

Harmonies

Analogous

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



15.1346, 16.8644, 15.0577



14.6647, 16.8644, 16.6696



14.5548, 16.8644, 18.8654

Triad

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



14.6647, 16.8644, 16.6696



16.2038, 16.8644, 23.0752



17.2919, 16.8644, 15.8733

Complementary

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



14.6647, 16.8644, 16.6696



15.1478, 14.5245, 17.3352

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.



17.5997, 16.8644, 17.8685



14.6647, 16.8644, 16.6696



16.9582, 16.8644, 22.1185

Square

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



14.6647, 16.8644, 16.6696



15.4266, 16.8644, 22.6876



17.4756, 16.8644, 20.1662



16.6471, 16.8644, 14.6253

Rectangle

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



14.6647, 16.8644, 16.6696



14.6972, 16.8644, 20.3921



17.4756, 16.8644, 20.1662



17.4392, 16.8644, 16.4722

Sweetspot

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



14.6652, 16.8651, 16.6700



28.8411, 31.1499, 32.9994



15.5764, 17.3705, 15.1024



6.5818, 7.1377, 7.5287



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.



14.6652, 16.8651, 16.6700



24.9374, 29.2384, 28.2599



15.1031, 17.0403, 18.9763



3.6922, 4.1188, 4.2129



7.4998, 14.2139, 4.9223



36.1616, 69.1119, 21.9540

Inverse Universe

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



15.1478, 14.5245, 17.3352



25.9444, 24.3548, 29.6474



14.7286, 14.3568, 15.1274



3.7712, 3.7358, 4.3218



9.4049, 4.6957, 7.3405



45.4059, 22.7125, 33.5306

Previews

White Background



This preview shows how the XYZ color 14.6647, 16.8644, 16.6696 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 14.6647, 16.8644, 16.6696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

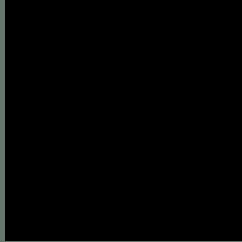
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.6647, 16.8644, 16.6696

Background



This preview shows how black text looks on a background with the XYZ color 14.6647, 16.8644, 16.6696.



This preview shows how white text looks on a background with the XYZ color 14.6647, 16.8644,

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

14.6647, 16.8644, 16.6696

Protanopia

16.0900, 16.9268, 16.0548

Deuteranopia

17.1428, 16.7897, 17.0891



Tritanopia

15.7728, 16.9747, 21.8472

Trichromacy



Original Color

14.6647, 16.8644, 16.6696

Protanomaly

15.4667, 16.7677, 16.3312

Deuteranomaly

16.1367, 16.7659, 16.8537

Tritanomaly

15.4000, 16.9975, 19.9220

Monochromacy



Original Color

14.6647, 16.8644, 16.6696

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.0709, 16.3705, 17.4044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6647, 16.8644, 16.6696 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(102, 118, 108)` looks like.

```
.text, #text, p{  
    color:rgb(102, 118, 108)  
}
```

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(102, 118, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 118, 108) }
```

Border

The CSS property to change the border of an element to XYZ 14.6647, 16.8644, 16.6696 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(102, 118, 108) }
```


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

```
.border{ border-color:rgb(102, 118, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 118, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 118, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 118, 108);  
box-shadow:4px 4px 4px 4px rgb(102, 118,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6647, 16.8644, 16.6696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 118, 108) }
```

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

```
.background{ background-color: rgb(102,  
118, 108) }
```

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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