

Converting Colors

XYZ(14.9655, 16.2809, 19.6245)

Have a look what the booklet for
XYZ(14.9655, 16.2809, 19.6245)
contains.

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Color

**XYZ(14.8808, 16.2262,
19.4872)**

Conversions

Conversions Part 1

Format	Color
Hex	677276
RGB	103, 114, 118
RGB Percent	40%, 45%, 46%
CMY	0.5961, 0.5529, 0.5373
CMYK	0.13, 0.03, 0.00, 0.54
HSL	196°, 7%, 43%
HSV	196°, 13%, 46%
XYZ	14.8808, 16.2262, 19.4872
YIQ	111.1670, -7.8400, -1.0880

Conversions

Conversions Part 2

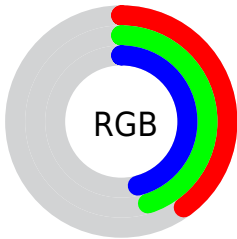
Format	Color
R_{YB}	103, 109, 118
Decimal	6779510
CIE _{Lab}	47.27, -3.23, -3.62
CIE _{LCh}	47, 4.855, 228.274
Yxy	16.2262, 0.2941, 0.3207
Android (android.graphics.Color)	4284969590 (0xFF677276)
YUV	111.1670, 3.3687, -7.1625
Hunter-Lab	40.2818, -4.5520, -0.4856

Details

The XYZ color **14.8808, 16.2262, 19.4872** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1771, 15.3460, 14.9943**, and the grayscale version is **15.1504, 15.9394, 17.3580**.

A 20% lighter version of the original color is **34.2183, 37.0447, 43.3771**, and **4.6846, 5.1794, 6.5472** is the 20% darker color. If you saturate the color by 10%, you get **13.2732, 14.8802, 19.3124**, and if you desaturate by 10%, it is **16.6926, 17.6964, 19.6757**.

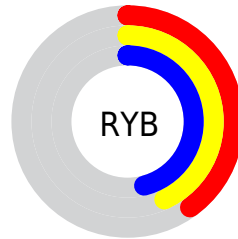
Distribution



Red (40%)

Green (45%)

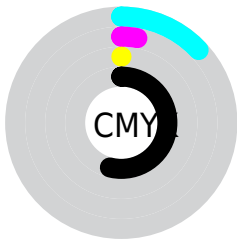
Blue (46%)



Red (40%)

Yellow (43%)

Blue (46%)

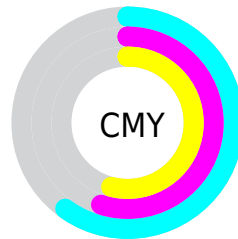


Cyan (13%)

Magenta (3%)

Yellow (0%)

Black (54%)



Cyan (60%)

Magenta (55%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8808, 16.2262, 19.4872 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 14.8808, 16.2262, 19.4872 by changing the saturation by 10% instead.

■ 14.8808, 16.2262,
19.4872

■ 14.8808, 16.2262,
19.4872

216.0463,
230.6728, 261.6371

■ 8.8215, 9.6844,
11.8425

■ 34.2173, 36.9905,
43.4034

■ 4.6811, 5.1902,
6.5153

■ 48.2253, 51.9817,
60.5119

■ 2.0942, 2.3593,
3.0870

■ 65.6135, 70.5581,
81.6121

■ 0.6861, 0.8048,
1.1393

■ 86.7474, 93.1042,
107.1225

■ 0.0000, 0.0000,
0.0000

111.9922,
120.0043, 137.4616

141.7134,

151.6429, 173.0481

176.2763,
188.4042, 214.3004

■ 14.8808, 16.2262,
19.4872

■ 14.8808, 16.2262,
19.4872

■ 13.2732, 14.8802,
19.3124

■ 16.6926, 17.6964,
19.6757

■ 11.8602, 13.6521,
19.1498

■ 18.7149, 19.2930,
19.8773

■ 10.6338, 12.5379,
18.9994

■ 20.9552, 21.0204,
20.0927

■ 9.5846, 11.5327,
18.8606

■ 23.4204, 22.8824,
20.3221

■ 8.7025, 10.6309,
18.7331

■ 26.1171, 24.8825,
20.5661

7.9761, 9.8266,
18.6161

29.0515, 27.0242,
20.8248

7.3928, 9.1131,
18.5091

32.2297, 29.3107,
21.0986

6.9370, 8.4820,
18.4114

35.6575, 31.7452,
21.3879

6.6419, 8.0518,
18.3439

39.3405, 34.3306,
21.6928

Harmonies

Analogous

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



14.6536, 16.2262, 18.4176



14.8808, 16.2262, 19.4872



15.2557, 16.2262, 20.0793

Triad

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



14.8808, 16.2262, 19.4872



16.2431, 16.2262, 18.1513



15.1657, 16.2262, 15.5210

Complementary

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



14.8808, 16.2262, 19.4872



15.1771, 15.3460, 14.9943

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.



15.5905, 16.2262, 15.4571



14.8808, 16.2262, 19.4872



16.2179, 16.2262, 16.9382

Square

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



14.8808, 16.2262, 19.4872



16.0454, 16.2262, 19.2845



15.9772, 16.2262, 15.9649



14.8159, 16.2262, 16.1437

Rectangle

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



14.8808, 16.2262, 19.4872



15.5414, 16.2262, 20.1062



15.9772, 16.2262, 15.9649



15.3043, 16.2262, 15.4346

Sweetspot

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



14.8813, 16.2269, 19.4876



28.8869, 30.7440, 34.5487



14.7128, 16.8969, 16.3272



6.5938, 7.0302, 7.9384



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.



14.8813, 16.2269, 19.4876



25.3789, 27.8808, 34.1809



14.0954, 14.6551, 19.2256



3.7047, 3.9981, 4.6667



7.1751, 8.6898, 19.8417



34.2339, 40.8843, 96.4474

Inverse Universe

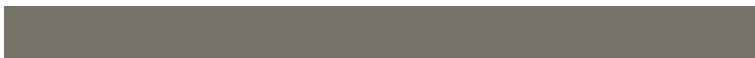
The Inverse Universe completely reimagines the original color for something new.



15.3590, 14.7672, 17.9613



26.3834, 24.8538, 30.9624



15.9652, 16.9222, 15.2570



3.7870, 3.7421, 4.4050



9.9188, 4.9012, 10.0464



47.9664, 23.7367, 47.0140

Previews

White Background



This preview shows how the XYZ color 14.8808, 16.2262, 19.4872 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 14.8808, 16.2262, 19.4872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

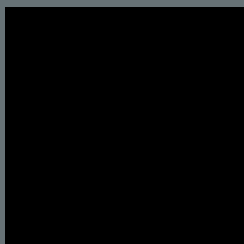
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

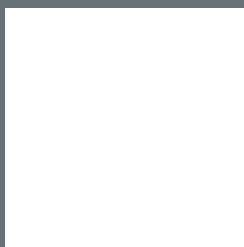
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.8808, 16.2262, 19.4872

Background



This preview shows how black text looks on a background with the XYZ color 14.8808, 16.2262, 19.4872.



This preview shows how white text looks on a background with the XYZ color 14.8808, 16.2262,

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

14.8808, 16.2262, 19.4872

Protanopia

15.6469, 16.1405, 18.8138

Deuteranopia

16.5441, 16.2623, 19.7197



Tritanopia

15.1269, 16.1585, 20.7340

Trichromacy



Original Color

14.8808, 16.2262, 19.4872

Protanomaly

15.3117, 16.1239, 19.1348

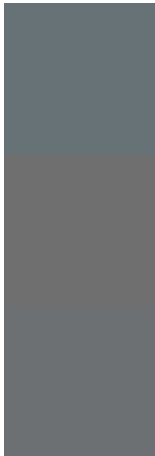
Deuteranomaly

15.9536, 16.2782, 19.7539

Tritanomaly

15.0652, 16.1338, 20.4093

Monochromacy



Original Color

14.8808, 16.2262, 19.4872

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.0158, 15.9914, 18.2148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8808, 16.2262, 19.4872 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(103, 114, 118)` looks like.

```
.text, #text, p{  
    color:rgb(103, 114, 118)  
}
```

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(103, 114, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 114, 118) }
```

Border

The CSS property to change the border of an element to XYZ 14.8808, 16.2262, 19.4872 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(103, 114, 118) }
```


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

```
.border{ border-color:rgb(103, 114, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 114, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 114, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 114, 118);  
box-shadow:4px 4px 4px 4px rgb(103, 114,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8808, 16.2262, 19.4872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 114, 118) }
```

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

```
.background{ background-color: rgb(103,  
114, 118) }
```

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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