

Converting Colors

XYZ(15.4533, 16.8553, 20.8754)

Have a look what the booklet for
XYZ(15.4533, 16.8553, 20.8754)
contains.

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Color

**XYZ(15.4672, 16.8390,
20.8474)**

Conversions

Conversions Part 1

Format	Color
Hex	68747A
RGB	104, 116, 122
RGB Percent	41%, 45%, 48%
CMY	0.5922, 0.5451, 0.5216
CMYK	0.15, 0.05, 0.00, 0.52
HSL	200°, 8%, 44%
HSV	200°, 15%, 48%
XYZ	15.4672, 16.8390, 20.8474
YIQ	113.0960, -9.0780, -0.6780

Conversions

Conversions Part 2

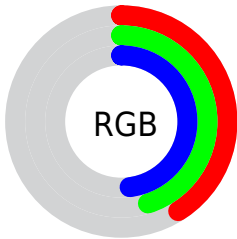
Format	Color
RYB	104, 111, 122
Decimal	6845562
CIELab	48.06, -3.13, -4.83
CIElCh	48, 5.755, 237.078
Yxy	16.8390, 0.2910, 0.3168
Android (android.graphics.Color)	4285035642 (0xFF68747A)
YUV	113.0960, 4.3897, -7.9772
Hunter-Lab	41.0354, -4.5310, -1.3967

Details

The XYZ color **15.4672, 16.8390, 20.8474** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.1008, 16.2889, 15.3926**, and the grayscale version is **15.7142, 16.5326, 18.0040**.

A 20% lighter version of the original color is **35.1602, 38.0298, 45.5317**, and **4.9571, 5.4851, 7.1008** is the 20% darker color. If you saturate the color by 10%, you get **13.6939, 15.2447, 20.6334**, and if you desaturate by 10%, it is **17.4669, 18.5814, 21.0786**.

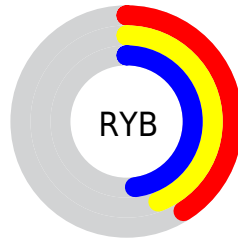
Distribution



Red (41%)

Green (45%)

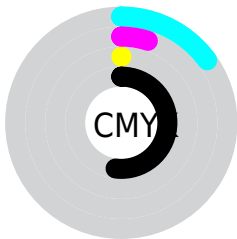
Blue (48%)



Red (41%)

Yellow (44%)

Blue (48%)

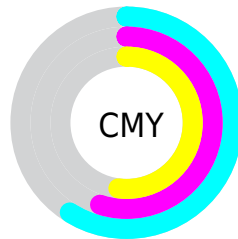


Cyan (15%)

Magenta (5%)

Yellow (0%)

Black (52%)



Cyan (59%)

Magenta (55%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4672, 16.8390, 20.8474 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 15.4672, 16.8390, 20.8474 by changing the saturation by 10% instead.

■ 15.4672, 16.8390,
20.8474

■ 15.4672, 16.8390,
20.8474

219.5096,
234.2429, 269.2208

■ 9.2364, 10.1198,
12.8223

■ 35.2357, 38.0488,
45.7109

■ 4.9540, 5.4784,
7.1770

■ 49.5041, 53.3081,
63.3865

■ 2.2548, 2.5306,
3.4929

■ 67.1824, 72.1829,
85.1159

■ 0.7714, 0.8919,
1.3515

■ 88.6359, 95.0575,
111.3178

■ 0.0000, 0.0000,
0.1035

114.2300,
122.3165, 142.4107

■ 0.0000, 0.0000,
0.0000

144.3301,

154.3441, 178.8131

179.3016,
191.5247, 220.9436

■ 15.4672, 16.8390,
20.8474

■ 15.4672, 16.8390,
20.8474

■ 13.6939, 15.2447,
20.6334

■ 17.4669, 18.5814,
21.0786

■ 12.1366, 13.7914,
20.4350

■ 19.7000, 20.4745,
21.3263

■ 10.7860, 12.4743,
20.2519

■ 22.1750, 22.5235,
21.5913

■ 9.6318, 11.2877,
20.0837

■ 24.8997, 24.7327,
21.8742

■ 8.6624, 10.2253,
19.9297

■ 27.8812, 27.1063,
22.1752

■ 7.8654, 9.2801,
19.7893

■ 31.1265, 29.6482,
22.4948

■ 7.2261, 8.4443,
19.6617

■ 34.6424, 32.3622,
22.8333

■ 6.7230, 7.7063,
19.5458

■ 38.4354, 35.2520,
23.1912

■ 6.4810, 7.3414,
19.4881

■ 42.5115, 38.3211,
23.5687

Harmonies

Analogous

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



15.1303, 16.8390, 19.6707



15.4672, 16.8390, 20.8474



15.9540, 16.8390, 21.3487

Triad

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



15.4672, 16.8390, 20.8474



17.0254, 16.8390, 18.4813



15.5537, 16.8390, 15.8995

Complementary

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



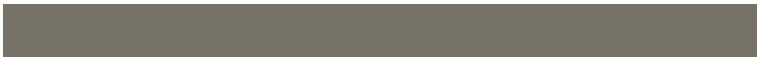
15.4672, 16.8390, 20.8474



16.1008, 16.2889, 15.3926

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.



16.0560, 16.8390, 15.6188



15.4672, 16.8390, 20.8474



16.9127, 16.8390, 17.0608

Square

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



15.4672, 16.8390, 20.8474



16.8598, 16.8390, 19.9370



16.5551, 16.8390, 16.0327



15.1795, 16.8390, 16.8208

Rectangle

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



15.4672, 16.8390, 20.8474



16.3007, 16.8390, 21.2132



16.5551, 16.8390, 16.0327



15.7129, 16.8390, 15.7293

Sweetspot

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



15.4677, 16.8397, 20.8478



30.9744, 32.9003, 37.1108



15.4670, 17.9817, 17.3223



7.0278, 7.4759, 8.4793



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



15.4677, 16.8397, 20.8478



26.0181, 28.5634, 36.5349



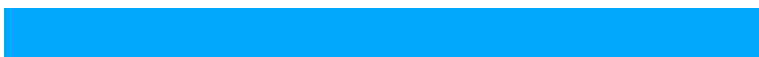
14.5112, 14.9267, 20.5289



3.9999, 4.2980, 5.0620



6.8156, 7.7136, 20.5149



31.7043, 35.1813, 97.5895

Inverse Universe

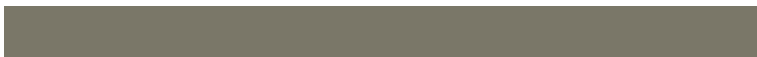
The Inverse Universe completely reimagines the original color for something new.



16.1292, 15.2996, 18.6268



27.4496, 25.3071, 31.7115



17.0862, 18.2597, 15.7210



4.1004, 4.0559, 4.7263



10.0235, 4.9856, 8.6807



47.4060, 23.6187, 39.2637

Previews

White Background



This preview shows how the XYZ color 15.4672, 16.8390, 20.8474 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 15.4672, 16.8390, 20.8474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

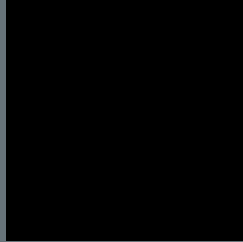
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

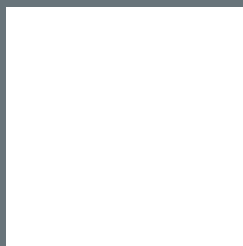
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.4672, 16.8390, 20.8474

Background



This preview shows how black text looks on a background with the XYZ color 15.4672, 16.8390, 20.8474.



This preview shows how white text looks on a background with the XYZ color 15.4672, 16.8390,

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

15.4672, 16.8390, 20.8474

Protanopia

16.2347, 16.7437, 20.1455

Deuteranopia

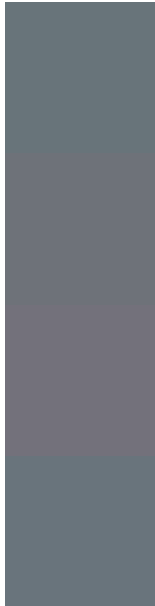
17.1447, 16.8639, 21.0903



Tritanopia

15.7728, 16.9747, 21.8472

Trichromacy



Original Color

15.4672, 16.8390, 20.8474

Protanomaly

15.8989, 16.7301, 20.4804

Deuteranomaly

16.5505, 16.8852, 21.1257

Tritanomaly

15.7092, 16.9493, 21.5124

Monochromacy



Original Color

15.4672, 16.8390, 20.8474

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.6001, 16.6106, 18.9069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4672, 16.8390, 20.8474 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(104, 116, 122)` looks like.

```
.text, #text, p{  
    color:rgb(104, 116, 122)  
}
```

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(104, 116, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 116, 122) }
```

Border

The CSS property to change the border of an element to XYZ 15.4672, 16.8390, 20.8474 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(104, 116, 122) }
```


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

```
.border{ border-color:rgb(104, 116, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 116, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 116, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 116, 122);  
box-shadow:4px 4px 4px 4px rgb(104, 116,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4672, 16.8390, 20.8474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 116, 122) }
```

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

```
.background{ background-color: rgb(104,  
116, 122) }
```

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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