

Converting Colors

XYZ(16.4118, 15.0216, 16.3805)

Have a look what the booklet for
XYZ(16.4118, 15.0216, 16.3805)
contains.

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Color

**XYZ(16.4673, 15.0786,
16.5105)**

Conversions

Conversions Part 1

Format	Color
Hex	81656D
RGB	129, 101, 109
RGB Percent	51%, 40%, 43%
CMY	0.4941, 0.6039, 0.5725
CMYK	0.00, 0.22, 0.16, 0.49
HSL	343°, 12%, 45%
HSV	343°, 22%, 51%
XYZ	16.4673, 15.0786, 16.5105
YIQ	110.2840, 14.1200, 8.4240

Conversions

Conversions Part 2

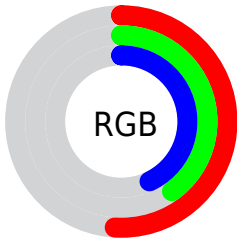
Format	Color
R_{YB}	129, 101, 109
Decimal	8480109
CIE _{Lab}	45.74, 12.61, -0.20
CIE _{LCh}	46, 12.613, 359.094
Yxy	15.0786, 0.3427, 0.3138
Android (android.graphics.Color)	4286670189 (0xFF81656D)
YUV	110.2840, -0.6330, 16.4139
Hunter-Lab	38.8312, 7.7427, 1.9725




Details

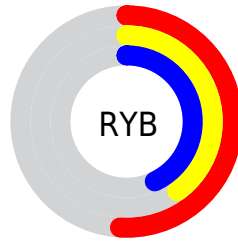
The XYZ color **16.4673, 15.0786, 16.5105** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.6689, 19.8482, 21.0428**, and the grayscale version is **14.9018, 15.6779, 17.0732**.




A 20% lighter version of the original color is **36.8648, 34.9396, 38.0587**, and **5.4131, 4.6484, 5.1694** is the 20% darker color. If you saturate the color by 10%, you get **14.8415, 12.5795, 13.6481**, and if you desaturate by 10%, it is **18.3426, 17.9931, 19.7131**.

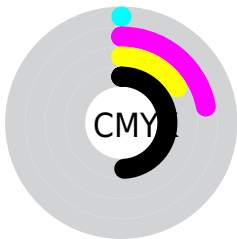
Distribution







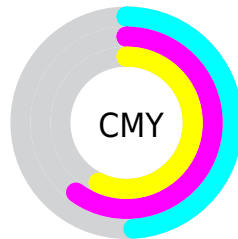
-  Red (51%)
-  Green (40%)
-  Blue (43%)






-  Red (51%)
-  Yellow (40%)
-  Blue (43%)



-  Cyan (0%)
-  Magenta (22%)
-  Yellow (16%)
-  Black (49%)



-  Cyan (49%)
-  Magenta (60%)
-  Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4673, 15.0786, 16.5105 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 16.4673, 15.0786, 16.5105 by changing the saturation by 10% instead.

■ 16.4673, 15.0786,
16.5105

■ 16.4673, 15.0786,
16.5105

225.3002,
223.8415, 244.2832

■ 9.9484, 8.8746,
9.7279

■ 36.9585, 34.9910,
38.2613

■ 5.4267, 4.6595,
5.1157

■ 51.6615, 49.4682,
54.0665

■ 2.5371, 2.0489,
2.2554

■ 69.8232, 67.4718,
73.7163

■ 0.9140, 0.6356,
0.7060

■ 91.8090, 89.3864,
97.6292

■ 0.0000, 0.0000,
0.0000

117.9843,
115.5962, 126.2238

148.7143,

146.4858, 159.9187

184.3645,
182.4394, 199.1323

■ 16.4673, 15.0786,
16.5105

■ 16.4673, 15.0786,
16.5105

■ 14.8415, 12.5795,
13.6481

■ 18.3426, 17.9931,
19.7131

■ 13.4531, 10.4748,
11.1134

■ 20.4763, 21.3387,
23.2658

■ 12.2911, 8.7449,
8.8947


■ 22.8782, 25.1328,
27.1793


■ 11.3429, 7.3674,
6.9790


■ 25.5573, 29.3910,
31.4636


■ 10.5947, 6.3176,
5.3526


■ 28.5224, 34.1286,
36.1282


 10.0310, 5.5678,
4.0004


 31.7814, 39.3597,
41.1824

 9.6337, 5.0854,
2.9057

 35.3425, 45.0982,
46.6349

 9.3850, 4.7998,
2.1697

 39.2131, 51.3572,
52.4944

 43.4005, 58.1495,
58.7693

Harmonies

Analogous

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



16.1522, 15.0786, 19.6017



16.4673, 15.0786, 16.5105



16.1871, 15.0786, 13.7407

Triad

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



16.4673, 15.0786, 16.5105



13.3636, 15.0786, 11.8283



13.3104, 15.0786, 21.9516

Complementary

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



16.4673, 15.0786, 16.5105



16.6689, 19.8482, 21.0428

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.



12.6239, 15.0786, 19.4223



16.4673, 15.0786, 16.5105



12.6535, 15.0786, 13.5992

Square

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



16.4673, 15.0786, 16.5105



14.3640, 15.0786, 11.2469



12.3893, 15.0786, 16.3259



14.2996, 15.0786, 22.9718

Rectangle

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



16.4673, 15.0786, 16.5105



15.7079, 15.0786, 12.3906



12.3893, 15.0786, 16.3259



13.0384, 15.0786, 21.2355

Sweetspot

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



16.4677, 15.0793, 16.5108



34.5232, 34.8433, 38.1105



16.4459, 14.9292, 22.7840



7.7765, 7.8277, 8.5634



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.4677, 15.0793, 16.5108



28.0065, 24.7167, 26.9772



16.6189, 16.0396, 14.5327



4.3744, 4.3629, 4.7759



9.1520, 4.6805, 2.1240



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.4677, 15.0793, 16.5108



28.0065, 24.7167, 26.9772



16.4625, 18.6176, 23.4951



4.3744, 4.3629, 4.7759



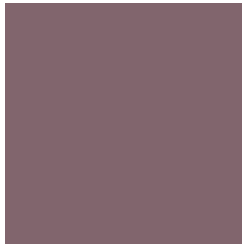
9.1520, 4.6805, 2.1240



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.4673, 15.0786, 16.5105 looks on a white background.

Color Contrast Check

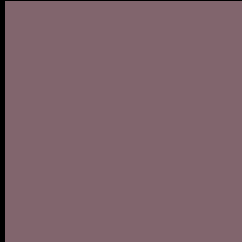
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4673, 15.0786, 16.5105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

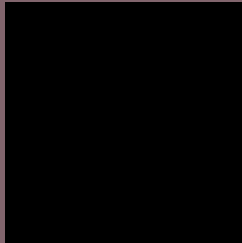
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4673, 15.0786, 16.5105

Background



This preview shows how black text looks on a background with the XYZ color 16.4673, 15.0786, 16.5105.



This preview shows how white text looks on a background with the XYZ color 16.4673, 15.0786,

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

16.4673, 15.0786, 16.5105

Protanopia

14.6499, 15.1686, 17.7785

Deuteranopia

15.3661, 15.1078, 16.2936



Tritanopia

16.4673, 15.0786, 16.5105

Trichromacy



Original Color

16.4673, 15.0786, 16.5105

Protanomaly

15.1787, 14.9860, 17.4218

Deuteranomaly

15.8255, 15.1943, 16.2861

Tritanomaly

16.4673, 15.0786, 16.5105

Monochromacy



Original Color

16.4673, 15.0786, 16.5105

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.4083, 15.4231, 16.9167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4673, 15.0786, 16.5105 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(129, 101, 109)` looks like.

```
.text, #text, p{  
    color:rgb(129, 101, 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(129, 101, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 101, 109) }
```

Border

The CSS property to change the border of an element to XYZ 16.4673, 15.0786, 16.5105 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(129, 101, 109) }
```


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

```
.border{ border-color:rgb(129, 101, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 101, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 101, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 101, 109);  
box-shadow:4px 4px 4px 4px rgb(129, 101,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4673, 15.0786, 16.5105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 101, 109) }
```

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

```
.background{ background-color: rgb(129,  
101, 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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