

Converting Colors

XYZ(15.8230, 15.0018, 13.6603)

Have a look what the booklet for
XYZ(15.8230, 15.0018, 13.6603)
contains.

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Color

**XYZ(15.8581, 14.9738,
13.6097)**

Conversions

Conversions Part 1

Format	Color
Hex	806662
RGB	128, 102, 98
RGB Percent	50%, 40%, 38%
CMY	0.4980, 0.6000, 0.6157
CMYK	0.00, 0.20, 0.23, 0.50
HSL	8°, 13%, 44%
HSV	8°, 23%, 50%
XYZ	15.8581, 14.9738, 13.6097
YIQ	109.3180, 16.7800, 4.2680

Conversions

Conversions Part 2

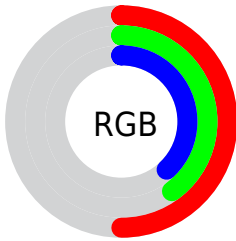
Format	Color
RYB	128, 103, 98
Decimal	8414818
CIELab	45.60, 9.75, 6.21
CIELCh	46, 11.556, 32.479
Yxy	14.9738, 0.3568, 0.3369
Android (android.graphics.Color)	4286604898 (0xFF806662)
YUV	109.3180, -5.5798, 16.3841
Hunter-Lab	38.6960, 5.4335, 6.2344

Details

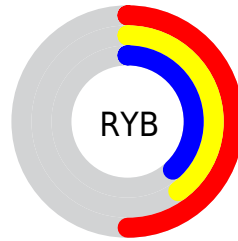
The XYZ color **15.8581, 14.9738, 13.6097** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.1408, 18.5701, 23.1559**, and the grayscale version is **14.6385, 15.4009, 16.7716**.

A 20% lighter version of the original color is **35.8721, 34.7761, 33.2556**, and **5.1279, 4.6000, 3.8664** is the 20% darker color. If you saturate the color by 10%, you get **14.2833, 12.7153, 10.3377**, and if you desaturate by 10%, it is **17.6763, 17.5642, 17.4401**.

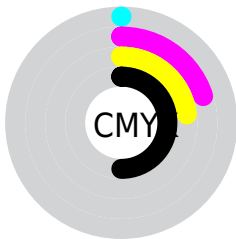
Distribution



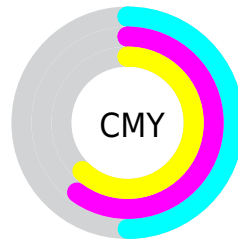
- Red (50%)
- Green (40%)
- Blue (38%)



- Red (50%)
- Yellow (40%)
- Blue (38%)



- Cyan (0%)
- Magenta (20%)
- Yellow (23%)
- Black (50%)



- Cyan (50%)
- Magenta (60%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8581, 14.9738, 13.6097 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 15.8581, 14.9738, 13.6097 by changing the saturation by 10% instead.

■ 15.8581, 14.9738,
13.6097

■ 15.8581, 14.9738,
13.6097

221.7898,
223.2076, 226.1324

■ 9.5140, 8.8010,
7.7141

■ 35.9111, 34.8072,
33.1020

■ 5.1377, 4.6116,
3.8274

■ 50.3508, 49.2366,
47.5357

■ 2.3639, 2.0212,
1.5311

■ 68.2196, 67.1870,
65.6525

■ 0.8271, 0.6198,
0.2410

■ 89.8831, 89.0428,
87.8710

■ 0.0000, 0.0000,
0.0000

115.7065,
115.1883, 114.6097

146.0552,

146.0080, 146.2872

181.2945,
181.8863, 183.3219

■ 15.8581, 14.9738,
13.6097

■ 15.8581, 14.9738,
13.6097

■ 14.2833, 12.7153,
10.3377

■ 17.6763, 17.5642,
17.4401

■ 12.9404, 10.7732,
7.5971

■ 19.7463, 20.4968,
21.8523

■ 11.8186, 9.1339,
5.3599

■ 22.0778, 23.7845,
26.8695

■ 10.9059, 7.7822,
3.5956

■ 24.6795, 27.4384,
32.5134

■ 10.1892, 6.7013,
2.2699

■ 27.5596, 31.4694,
38.8046

■ 9.6537, 5.8728,
1.3440

■ 30.7262, 35.8880,
45.7627

■ 9.2822, 5.2757,
0.7703

■ 34.1869, 40.7040,
53.4067

■ 9.1038, 4.9925,
0.4838

■ 37.9490, 45.9272,
61.7545

■ 42.0196, 51.5668,
70.8235

Harmonies

Analogous

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



16.1707, 14.9738, 16.0748



15.8581, 14.9738, 13.6097



15.1082, 14.9738, 12.0248

Triad

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



15.8581, 14.9738, 13.6097



12.6469, 14.9738, 13.9663



14.3127, 14.9738, 22.2201

Complementary

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



15.8581, 14.9738, 13.6097



16.1408, 18.5701, 23.1559

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.



13.3906, 14.9738, 21.4940



15.8581, 14.9738, 13.6097



12.4551, 14.9738, 16.5352

Square

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



15.8581, 14.9738, 13.6097



13.2574, 14.9738, 12.2137



12.7213, 14.9738, 19.3321



15.2536, 14.9738, 21.2184

Rectangle

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



15.8581, 14.9738, 13.6097



14.4768, 14.9738, 11.5762



12.7213, 14.9738, 19.3321



13.9903, 14.9738, 22.1700

Sweetspot

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



15.8585, 14.9745, 13.6100



33.3560, 34.0929, 35.4588



16.9080, 14.7800, 21.0306



7.7709, 7.9273, 8.2194



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.



15.8585, 14.9745, 13.6100



26.4249, 24.2224, 20.8427



17.4682, 18.1938, 14.1466



4.3705, 4.4297, 4.5448



9.0277, 4.9517, 0.4800



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.1408, 18.5701, 23.1559



27.0088, 31.6787, 40.6474



14.4021, 15.0927, 22.5764



4.3991, 4.7921, 5.5064



9.4923, 12.8031, 22.2209



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.8581, 14.9738, 13.6097 looks on a white background.

Color Contrast Check

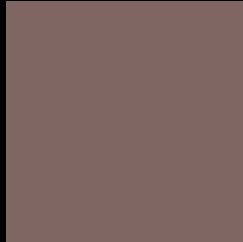
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8581, 14.9738, 13.6097 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 15.8581, 14.9738, 13.6097

Background



This preview shows how black text looks on a background with the XYZ color 15.8581, 14.9738, 13.6097.

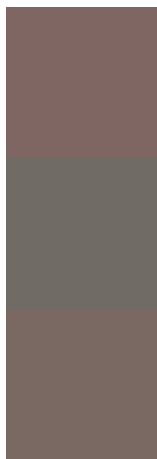


This preview shows how white text looks on a background with the XYZ color 15.8581, 14.9738,

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

15.8581, 14.9738, 13.6097

Protanopia

14.3936, 15.1095, 14.4697

Deuteranopia

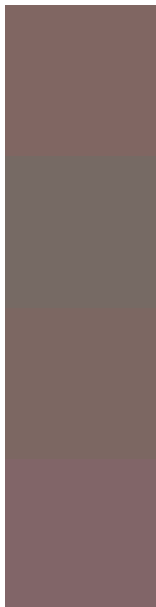
15.1810, 14.9200, 13.6350



Tritanopia

16.3172, 14.8642, 16.1964

Trichromacy



Original Color

15.8581, 14.9738, 13.6097

Protanomaly

14.9255, 15.0797, 14.1806

Deuteranomaly

15.3670, 14.8674, 13.6150

Tritanomaly

16.2056, 14.9740, 15.1328

Monochromacy



Original Color

15.8581, 14.9738, 13.6097

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.9063, 15.0410, 15.4822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8581, 14.9738, 13.6097 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(128, 102, 98)` looks like.

```
.text, #text, p{  
    color:rgb(128, 102, 98)  
}
```

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(128, 102, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 102, 98) }
```

Border

The CSS property to change the border of an element to XYZ 15.8581, 14.9738, 13.6097 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(128, 102, 98) }
```


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

```
.border{ border-color:rgb(128, 102, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 102, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 102, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 102, 98);  
box-shadow:4px 4px 4px 4px rgb(128, 102,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8581, 14.9738, 13.6097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 102, 98) }
```

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

```
.background{ background-color: rgb(128,  
102, 98) }
```

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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