

Converting Colors

XYZ(15.8342, 15.0398, 16.9536)

Have a look what the booklet for
XYZ(15.8342, 15.0398, 16.9536)
contains.

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Color

**XYZ(15.8331, 15.0372,
16.8198)**

Conversions

Conversions Part 1

Format	Color
Hex	7B676E
RGB	123, 103, 110
RGB Percent	48%, 40%, 43%
CMY	0.5176, 0.5961, 0.5686
CMYK	0.00, 0.16, 0.11, 0.52
HSL	339°, 9%, 44%
HSV	339°, 16%, 48%
XYZ	15.8331, 15.0372, 16.8198
YIQ	109.7780, 9.6730, 6.4170

Conversions

Conversions Part 2

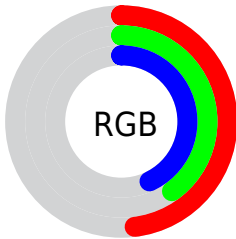
Format	Color
R_{YB}	123, 103, 110
Decimal	8087406
CIE Lab	45.69, 9.23, -0.96
CIE LCh	46, 9.279, 354.069
Yxy	15.0372, 0.3320, 0.3153
Android (android.graphics.Color)	4286277486 (0xFF7B676E)
YUV	109.7780, 0.1094, 11.5957
Hunter-Lab	38.7778, 5.0209, 1.4276

Details

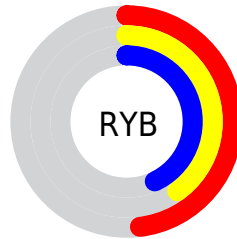
The XYZ color **15.8331, 15.0372, 16.8198** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.8295, 18.3109, 19.2239**, and the grayscale version is **14.7555, 15.5239, 16.9056**.

A 20% lighter version of the original color is **35.9817, 34.9499, 39.0320**, and **5.1354, 4.6431, 5.3282** is the 20% darker color. If you saturate the color by 10%, you get **14.2827, 12.6019, 14.2512**, and if you desaturate by 10%, it is **17.6036, 17.8496, 19.6560**.

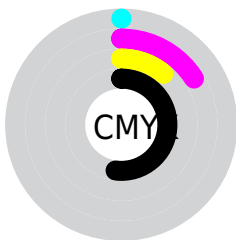
Distribution



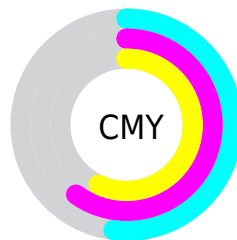
- Red (48%)
- Green (40%)
- Blue (43%)



- Red (48%)
- Yellow (40%)
- Blue (43%)



- Cyan (0%)
- Magenta (16%)
- Yellow (11%)
- Black (52%)



- Cyan (52%)
- Magenta (60%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8331, 15.0372, 16.8198 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 15.8331, 15.0372, 16.8198 by changing the saturation by 10% instead.

■ 15.8331, 15.0372,
16.8198

■ 15.8331, 15.0372,
16.8198

221.6447,
223.5913, 246.1405

■ 9.4962, 8.8455,
9.9455

■ 35.8680, 34.9184,
38.8021

■ 5.1259, 4.6405,
5.2577

■ 50.2967, 49.3767,
54.7471

■ 2.3569, 2.0379,
2.3379

■ 68.1535, 67.3594,
74.5529

■ 0.8235, 0.6294,
0.7523

■ 89.8036, 89.2507,
98.6378

■ 0.0000, 0.0000,
0.0000

115.6124,
115.4352, 127.4205

145.9453,

146.2972, 161.3195

181.1676,
182.2211, 200.7533

■ 15.8331, 15.0372,
16.8198

■ 15.8331, 15.0372,
16.8198

■ 14.2827, 12.6019,
14.2512

■ 17.6036, 17.8496,
19.6560

■ 12.9424, 10.5255,
11.9412

■ 19.6014, 21.0521,
22.7665

■ 11.8029, 8.7915,
9.8817

■ 21.8347, 24.6598,
26.1590

■ 10.8542, 7.3813,
8.0636

■ 24.3110, 28.6860,
29.8407

■ 10.0851, 6.2743,
6.4773

■ 27.0376, 33.1438,
33.8182

■ 9.4830, 5.4478,
5.1127

■ 30.0213, 38.0454,
38.0983

■ 9.0340, 4.8755,
3.9585

■ 33.2687, 43.4028,
42.6872

■ 8.7122, 4.5084,
2.9992

■ 36.7862, 49.2274,
47.5911

■ 8.6053, 4.3857,
2.6825

■ 40.5799, 55.5301,
52.8161

Harmonies

Analogous

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



15.5387, 15.0372, 19.0188



15.8331, 15.0372, 16.8198



15.7027, 15.0372, 14.6866

Triad

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



15.8331, 15.0372, 16.8198



13.6908, 15.0372, 12.7633



13.4321, 15.0372, 20.0941

Complementary

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



15.8331, 15.0372, 16.8198



15.8295, 18.3109, 19.2239

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.



12.9692, 15.0372, 18.1837



15.8331, 15.0372, 16.8198



13.1146, 15.0372, 13.9846

Square

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



15.8331, 15.0372, 16.8198



14.4476, 15.0372, 12.4695



12.8551, 15.0372, 15.9341



14.1383, 15.0372, 21.0163

Rectangle

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



15.8331, 15.0372, 16.8198



15.3948, 15.0372, 13.5694



12.8551, 15.0372, 15.9341



13.2440, 15.0372, 19.5383

Sweetspot

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



15.8335, 15.0379, 16.8201



31.9087, 32.5792, 35.8059



15.6284, 14.8442, 20.7807



7.4684, 7.5984, 8.3594



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



15.8335, 15.0379, 16.8201



27.1309, 25.0016, 28.1153



15.7711, 15.4989, 14.9931



4.0509, 4.0361, 4.4655



8.8996, 4.5360, 2.7622



42.0836, 21.4898, 11.2363

Inverse Universe

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



15.8335, 15.0379, 16.8201



27.1309, 25.0016, 28.1153



15.8856, 17.7470, 21.3274



4.0509, 4.0361, 4.4655



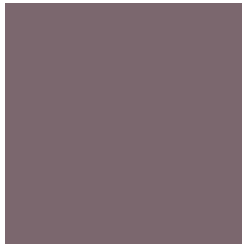
8.8996, 4.5360, 2.7622



42.0836, 21.4898, 11.2363

Previews

White Background



This preview shows how the XYZ color 15.8331, 15.0372, 16.8198 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 15.8331, 15.0372, 16.8198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

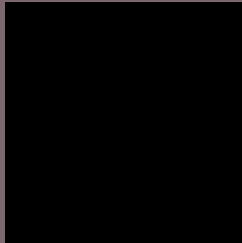
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8331, 15.0372, 16.8198

Background



This preview shows how black text looks on a background with the XYZ color 15.8331, 15.0372, 16.8198.



This preview shows how white text looks on a background with the XYZ color 15.8331, 15.0372,

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

15.8331, 15.0372, 16.8198

Protanopia

14.6499, 15.1686, 17.7785

Deuteranopia

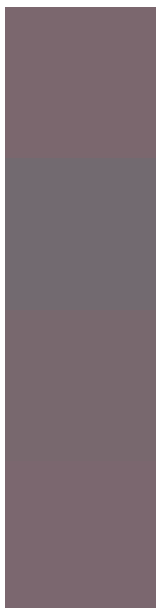
15.3373, 15.0805, 16.8543



Tritanopia

15.8879, 15.0591, 17.1083

Trichromacy



Original Color

15.8331, 15.0372, 16.8198

Protanomaly

15.0181, 15.0553, 17.4437

Deuteranomaly

15.5105, 15.0195, 16.8334

Tritanomaly

15.8879, 15.0591, 17.1083

Monochromacy



Original Color

15.8331, 15.0372, 16.8198

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.1424, 15.2860, 16.9043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8331, 15.0372, 16.8198 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(123, 103, 110)` looks like.

```
.text, #text, p{  
    color:rgb(123, 103, 110)  
}
```

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(123, 103, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 103, 110) }
```

Border

The CSS property to change the border of an element to XYZ 15.8331, 15.0372, 16.8198 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(123, 103, 110) }
```


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

```
.border{ border-color:rgb(123, 103, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 103, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 103, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 103, 110);  
box-shadow:4px 4px 4px 4px rgb(123, 103,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8331, 15.0372, 16.8198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 103, 110) }
```

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

```
.background{ background-color: rgb(123,  
103, 110) }
```

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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