

Converting Colors

XYZ(15.8181, 17.0966, 9.6740)

Have a look what the booklet for
XYZ(15.8181, 17.0966, 9.6740)
contains.

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Color

**XYZ(15.8181, 17.0966,
9.6740)**

Conversions

Conversions Part 1

Format	Color
Hex	7C734E
RGB	124, 115, 78
RGB Percent	49%, 45%, 31%
CMY	0.5137, 0.5490, 0.6941
CMYK	0.00, 0.07, 0.37, 0.51
HSL	48°, 23%, 40%
HSV	48°, 37%, 49%
XYZ	15.8181, 17.0966, 9.6740
YIQ	113.4730, 17.2410, -9.5990

Conversions

Conversions Part 2

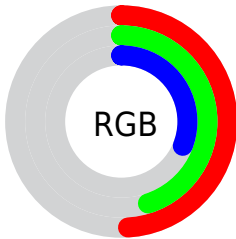
Format	Color
R _Y B	89, 124, 78
Decimal	8155982
CIE Lab	48.38, -2.48, 21.76
CIE LCh	48, 21.900, 96.501
Yxy	17.0966, 0.3714, 0.4014
Android (android.graphics.Color)	4286346062 (0xFF7C734E)
YUV	113.4730, -17.4882, 9.2322
Hunter-Lab	41.3480, -4.0721, 15.0718

Details

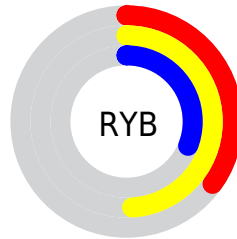
The XYZ color **15.8181, 17.0966, 9.6740** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.1882, 9.8912, 20.4411**, and the grayscale version is **15.8839, 16.7111, 18.1984**.

A 20% lighter version of the original color is **35.7809, 38.5169, 25.6273**, and **5.1057, 5.5800, 2.2468** is the 20% darker color. If you saturate the color by 10%, you get **15.1420, 16.3900, 7.4583**, and if you desaturate by 10%, it is **16.5862, 17.8528, 12.3344**.

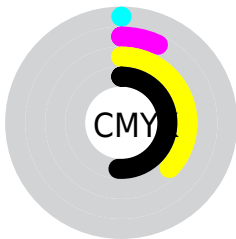
Distribution



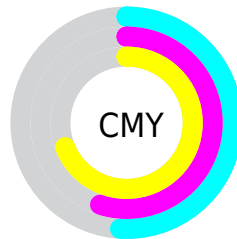
- Red (49%)
- Green (45%)
- Blue (31%)



- Red (35%)
- Yellow (49%)
- Blue (31%)



- Cyan (0%)
- Magenta (7%)
- Yellow (37%)
- Black (51%)



- Cyan (51%)
- Magenta (55%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8181, 17.0966, 9.6740 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 15.8181, 17.0966, 9.6740 by changing the saturation by 10% instead.

■ 15.8181, 17.0966,
9.6740

■ 15.8181, 17.0966,
9.6740

221.5575,
235.7284, 198.7288

■ 9.4856, 10.3034,
5.0806

■ 35.8421, 38.4918,
25.7787

■ 5.1189, 5.6006,
2.2351

■ 50.2643, 53.8626,
38.1270

■ 2.3526, 2.6038,
0.6945

■ 68.1138, 72.8613,
53.8973

■ 0.8214, 0.9286,
0.0000

■ 89.7559, 95.8724,
73.5083

■ 0.0000, 0.0000,
0.0000

■ 115.5559,
123.2803, 97.3784

145.8793,

155.4693, 125.9261

181.0914,
192.8239, 159.5701

■ 15.8181, 17.0966,
9.6740

■ 15.8181, 17.0966,
9.6740

■ 15.1420, 16.3900,
7.4583

■ 16.5862, 17.8528,
12.3344

■ 14.5519, 15.7288,
5.6615

■ 17.4494, 18.6582,
15.4615

■ 14.0428, 15.1114,
4.2563

■ 18.4122, 19.5153,
19.0769

■ 13.6090, 14.5356,
3.2123

■ 19.4786, 20.4257,
23.2007

■ 13.2437, 13.9984,
2.4942

■ 20.6522, 21.3910,
27.8519

■ 12.9325, 13.4941,
2.0264

■ 21.9363, 22.4126,
33.0484

■ 12.8451, 13.3509,
1.9000

■ 23.3344, 23.4919,
38.8072

■ 24.8496, 24.6303,
45.1448

■ 26.4848, 25.8290,
52.0768

Harmonies

Analogous

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



17.8325, 17.0966, 10.2291



15.8181, 17.0966, 9.6740



14.0671, 17.0966, 11.0891

Triad

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



15.8181, 17.0966, 9.6740



13.3494, 17.0966, 25.9683



20.0393, 17.0966, 23.3630

Complementary

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



15.8181, 17.0966, 9.6740



10.1882, 9.8912, 20.4411

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.



18.6473, 17.0966, 28.9506



15.8181, 17.0966, 9.6740



14.7636, 17.0966, 30.6577

Square

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



15.8181, 17.0966, 9.6740



12.7193, 17.0966, 19.8909



16.6893, 17.0966, 31.8482



20.3797, 17.0966, 17.3955

Rectangle

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



15.8181, 17.0966, 9.6740



13.2482, 17.0966, 13.1725



16.6893, 17.0966, 31.8482



19.6736, 17.0966, 25.3824

Sweetspot

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



15.8185, 17.0974, 9.6744



31.6735, 33.7027, 30.8140



12.7652, 10.4255, 10.3995



7.4161, 7.8988, 7.0936



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.



15.8185, 17.0974, 9.6744



26.7615, 28.9666, 13.4910



15.0383, 18.2934, 9.9463



4.2443, 4.5071, 4.2707



13.0564, 13.5687, 1.9309



61.6809, 63.5253, 9.0107

Inverse Universe

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



10.1882, 9.8912, 20.4411



15.2611, 14.2539, 35.5036



10.7564, 9.1693, 20.2719



3.8553, 4.0088, 5.0138



4.0343, 2.1509, 19.5878



18.7563, 9.2853, 93.2735

Previews

White Background



This preview shows how the XYZ color 15.8181, 17.0966, 9.6740 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 15.8181, 17.0966, 9.6740 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 15.8181, 17.0966, 9.6740

Background



This preview shows how black text looks on a background with the XYZ color 15.8181, 17.0966, 9.6740.



This preview shows how white text looks on a background with the XYZ color 15.8181, 17.0966,

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

15.8181, 17.0966, 9.6740

Protanopia

15.8181, 17.0966, 9.6740

Deuteranopia

17.3037, 17.0347, 9.7732



Tritanopia

17.8992, 17.1270, 19.5020

Trichromacy



Original Color

15.8181, 17.0966, 9.6740

Protanomaly

15.8181, 17.0966, 9.6740

Deuteranomaly

16.7212, 17.0584, 9.8084

Tritanomaly

16.9947, 17.0796, 15.2329

Monochromacy



Original Color

15.8181, 17.0966, 9.6740

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.6537, 16.7366, 14.4620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8181, 17.0966, 9.6740 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(124, 115, 78)` looks like.

```
.text, #text, p{  
    color:rgb(124, 115, 78)  
}
```

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(124, 115, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 115, 78) }
```

Border

The CSS property to change the border of an element to XYZ 15.8181, 17.0966, 9.6740 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(124, 115, 78) }
```


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

```
.border{ border-color:rgb(124, 115, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 115, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 115, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 115, 78);  
box-shadow:4px 4px 4px 4px rgb(124, 115,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8181, 17.0966, 9.6740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 115, 78) }
```

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

```
.background{ background-color: rgb(124,  
115, 78) }
```

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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