

Converting Colors

XYZ(17.2049, 15.7059, 20.4708)

Have a look what the booklet for
XYZ(17.2049, 15.7059, 20.4708)
contains.

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Color

**XYZ(17.2652, 15.6948,
20.5318)**

Conversions

Conversions Part 1

Format	Color
Hex	80677A
RGB	128, 103, 122
RGB Percent	50%, 40%, 48%
CMY	0.4980, 0.5961, 0.5216
CMYK	0.00, 0.20, 0.05, 0.50
HSL	314°, 11%, 45%
HSV	314°, 20%, 50%
XYZ	17.2652, 15.6948, 20.5318
YIQ	112.6410, 8.8010, 11.2090

Conversions

Conversions Part 2

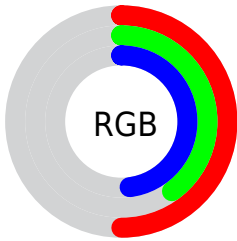
Format	Color
R _Y B	128, 103, 122
Decimal	8415098
CIE Lab	46.57, 13.47, -6.81
CIE LCh	47, 15.088, 333.185
Yxy	15.6948, 0.3228, 0.2934
Android (android.graphics.Color)	4286605178 (0xFF80677A)
YUV	112.6410, 4.6140, 13.4698
Hunter-Lab	39.6167, 8.4623, -2.9961

Details

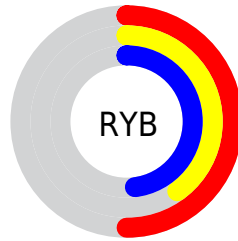
The XYZ color **17.2652, 15.6948, 20.5318** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.0736, 19.4265, 17.3714**, and the grayscale version is **15.5751, 16.3862, 17.8446**.

A 20% lighter version of the original color is **38.2516, 35.9910, 44.9753**, and **5.8412, 4.9717, 6.9551** is the 20% darker color. If you saturate the color by 10%, you get **15.9010, 13.2660, 19.1528**, and if you desaturate by 10%, it is **18.8313, 18.5172, 22.0082**.

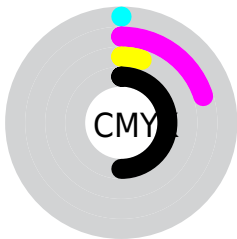
Distribution



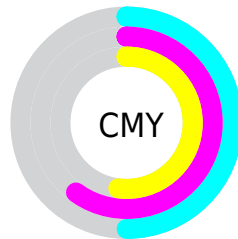
- Red (50%)
- Green (40%)
- Blue (48%)



- Red (50%)
- Yellow (40%)
- Blue (48%)



- Cyan (0%)
- Magenta (20%)
- Yellow (5%)
- Black (50%)



- Cyan (50%)
- Magenta (60%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2652, 15.6948, 20.5318 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 17.2652, 15.6948, 20.5318 by changing the saturation by 10% instead.

■ 17.2652, 15.6948,
20.5318

■ 17.2652, 15.6948,
20.5318

229.8226,
227.5340, 267.4785

■ 10.5202, 9.3084,
12.5943

■ 38.3212, 36.0675,
45.1776

■ 5.8101, 4.9429,
7.0224

■ 53.3629, 50.8227,
62.7230

■ 2.7695, 2.2138,
3.3974

■ 71.9009, 69.1363,
84.3082

■ 1.0331, 0.7275,
1.3010

■ 94.3005, 91.3927,
110.3516

■ 0.0000, 0.0000,
0.0626

120.9271,
117.9762, 141.2718

■ 0.0000, 0.0000,
0.0000

152.1461,

149.2714, 177.4873

188.3228,
185.6625, 219.4167

■ 17.2652, 15.6948,
20.5318

■ 17.2652, 15.6948,
20.5318

■ 15.9010, 13.2660,
19.1528

■ 18.8313, 18.5172,
22.0082

■ 14.7284, 11.2112,
17.8668

■ 20.6062, 21.7477,
23.5840

■ 13.7383, 9.5118,
16.6709

■ 22.5982, 25.4027,
25.2624

■ 12.9202, 8.1472,
15.5612

■ 24.8148, 29.4970,
27.0461

■ 12.2627, 7.0944,
14.5336

■ 27.2630, 34.0445,
28.9378

■ 11.7528, 6.3277,
13.5835

■ 29.9496, 39.0588,
30.9400

■ 11.3756, 5.8172,
12.7057

■ 32.8811, 44.5527,
33.0551

■ 11.0862, 5.4733,
11.8848

■ 36.0638, 50.5387,
35.2853

■ 11.0729, 5.4575,
11.8470

■ 39.5035, 57.0286,
37.6330

Harmonies

Analogous

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



16.3301, 15.6948, 23.8194



17.2652, 15.6948, 20.5318



17.5594, 15.6948, 16.6937

Triad

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



17.2652, 15.6948, 20.5318



14.7788, 15.6948, 10.8832



12.9188, 15.6948, 21.3215

Complementary

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



17.2652, 15.6948, 20.5318



16.0736, 19.4265, 17.3714

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.



12.5548, 15.6948, 17.4904



17.2652, 15.6948, 20.5318



13.5887, 15.6948, 11.7633

Square

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



17.2652, 15.6948, 20.5318



16.0756, 15.6948, 11.4554



12.7928, 15.6948, 14.0543



13.8163, 15.6948, 24.3199

Rectangle

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



17.2652, 15.6948, 20.5318



17.3392, 15.6948, 14.4187



12.7928, 15.6948, 14.0543



12.7324, 15.6948, 20.0701

Sweetspot

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



17.2657, 15.6955, 20.5321



34.1727, 34.4489, 39.6693



15.0334, 14.5004, 22.4289



7.9636, 7.9979, 9.2543



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.



17.2657, 15.6955, 20.5321



29.3959, 25.8420, 35.1580



16.5492, 15.4089, 16.7595



4.4554, 4.3953, 5.2027



10.9799, 5.4117, 11.7499



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.2657, 15.6955, 20.5321



29.3959, 25.8420, 35.1580



16.7849, 19.7110, 21.1169



4.4554, 4.3953, 5.2027



10.9799, 5.4117, 11.7499



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.2652, 15.6948, 20.5318 looks on a white background.

Color Contrast Check

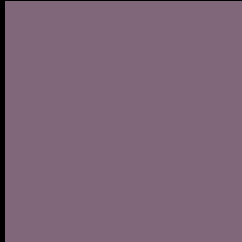
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2652, 15.6948, 20.5318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

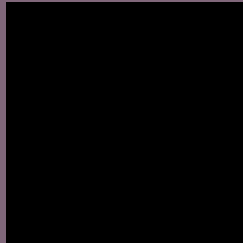
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.2652, 15.6948, 20.5318

Background



This preview shows how black text looks on a background with the XYZ color 17.2652, 15.6948, 20.5318.



This preview shows how white text looks on a background with the XYZ color 17.2652, 15.6948,

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

17.2652, 15.6948, 20.5318

Protanopia

15.5262, 15.8464, 21.9790

Deuteranopia

15.9113, 15.6089, 20.2634



Tritanopia

16.7846, 15.8074, 17.7893

Trichromacy



Original Color

17.2652, 15.6948, 20.5318

Protanomaly

16.0296, 15.6409, 21.5762

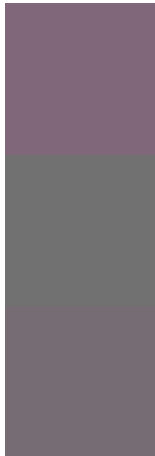
Deuteranomaly

16.3510, 15.6816, 20.2542

Tritanomaly

16.8551, 15.6736, 18.6599

Monochromacy



Original Color

17.2652, 15.6948, 20.5318

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.0922, 16.0498, 18.7728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2652, 15.6948, 20.5318 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, 103, 122)` looks like.

```
.text, #text, p{  
    color:rgb(128, 103, 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(128, 103, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 103, 122) }
```

Border

The CSS property to change the border of an element to XYZ 17.2652, 15.6948, 20.5318 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, 103, 122) }
```


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

```
.border{ border-color:rgb(128, 103, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 103, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 103, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 103, 122);  
box-shadow:4px 4px 4px 4px rgb(128, 103,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2652, 15.6948, 20.5318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 103, 122) }
```

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

```
.background{ background-color: rgb(128,  
103, 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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