

Converting Colors

XYZ(15.8105, 17.7061, 19.8781)

Have a look what the booklet for
XYZ(15.8105, 17.7061, 19.8781)
contains.

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Color

**XYZ(15.8122, 17.7442,
19.7311)**

Conversions

Conversions Part 1

Format	Color
Hex	697876
RGB	105, 120, 118
RGB Percent	41%, 47%, 46%
CMY	0.5882, 0.5294, 0.5373
CMYK	0.13, 0.00, 0.02, 0.53
HSL	172°, 7%, 44%
HSV	172°, 13%, 47%
XYZ	15.8122, 17.7442, 19.7311
YIQ	115.2870, -8.2980, -3.8020

Conversions

Conversions Part 2

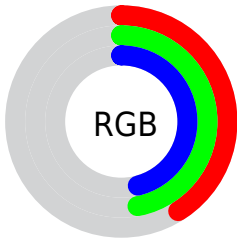
Format	Color
R _Y B	105, 113, 120
Decimal	6912118
CIE Lab	49.18, -5.97, -0.79
CIE LCh	49, 6.026, 187.540
Yxy	17.7442, 0.2967, 0.3330
Android (android.graphics.Color)	4285102198 (0xFF697876)
YUV	115.2870, 1.3375, -9.0217
Hunter-Lab	42.1239, -6.7125, 1.7149

Details

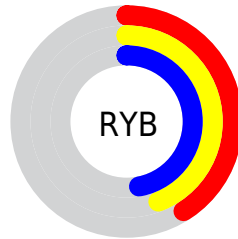
The XYZ color **15.8122, 17.7442, 19.7311** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.4518, 15.1583, 16.0222**, and the grayscale version is **16.3811, 17.2342, 18.7680**.

A 20% lighter version of the original color is **35.7185, 39.4752, 43.7671**, and **5.1678, 5.9765, 6.6756** is the 20% darker color. If you saturate the color by 10%, you get **14.4068, 17.0311, 19.1731**, and if you desaturate by 10%, it is **17.4192, 18.5620, 20.3077**.

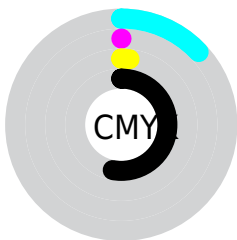
Distribution



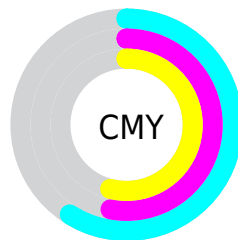
- Red (41%)
- Green (47%)
- Blue (46%)



- Red (41%)
- Yellow (44%)
- Blue (47%)



- Cyan (13%)
- Magenta (0%)
- Yellow (2%)
- Black (53%)



- Cyan (59%)
- Magenta (53%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8122, 17.7442, 19.7311 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 15.8122, 17.7442, 19.7311 by changing the saturation by 10% instead.

■ 15.8122, 17.7442,
19.7311

■ 15.8122, 17.7442,
19.7311

221.5232,
239.4253, 263.0116

■ 9.4814, 10.7665,
12.0176

■ 35.8320, 39.6010,
43.8189

■ 5.1161, 5.9100,
6.6330

■ 50.2516, 55.2488,
61.0303

■ 2.3510, 2.7905,
3.1587

■ 68.0982, 74.5555,
82.2448

■ 0.8206, 1.0233,
1.1762

■ 89.7371, 97.9054,
107.8808

■ 0.0000, 0.0000,
0.0000

115.5337,
125.6829, 138.3569

145.8534,

158.2725, 174.0918

181.0614,
196.0585, 215.5038

■ 15.8122, 17.7442,
19.7311

■ 15.8122, 17.7442,
19.7311

■ 14.4068, 17.0311,
19.1731

■ 17.4192, 18.5620,
20.3077

■ 13.1931, 16.4161,
18.6321

■ 19.2340, 19.4863,
20.9022

■ 12.1628, 15.8955,
18.1080

■ 21.2646, 20.5217,
21.5152

■ 11.3063, 15.4643,
17.6004

■ 23.5180, 21.6717,
22.1473

■ 10.6131, 15.1171,
17.1087

■ 26.0008, 22.9398,
22.7987

■ 10.0717, 14.8480,
16.6323

■ 28.7195, 24.3293,
23.4697

■ 9.6689, 14.6502,
16.1706

■ 31.6803, 25.8434,
24.1608

■ 9.3890, 14.5155,
15.7228

■ 34.8891, 27.4852,
24.8722

■ 9.2149, 14.4328,
15.3939

■ 38.3516, 29.2575,
25.6042

Harmonies

Analogous

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



15.8822, 17.7442, 18.1572



15.8122, 17.7442, 19.7311



16.0194, 17.7442, 21.2767

Triad

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



15.8122, 17.7442, 19.7311



17.5352, 17.7442, 21.8911



17.2833, 17.7442, 16.5882

Complementary

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



15.8122, 17.7442, 19.7311



15.4518, 15.1583, 16.0222

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.



17.7406, 17.7442, 17.4879



15.8122, 17.7442, 19.7311



17.8882, 17.7442, 20.5323

Square

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



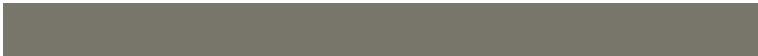
15.8122, 17.7442, 19.7311



17.0081, 17.7442, 22.5682



17.9642, 17.7442, 18.9155



16.7233, 17.7442, 16.4002

Rectangle

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



15.8122, 17.7442, 19.7311



16.2896, 17.7442, 22.0633



17.9642, 17.7442, 18.9155



17.4545, 17.7442, 16.8149

Sweetspot

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



15.8127, 17.7449, 19.7315



30.1603, 32.4038, 35.5520



15.3604, 17.5949, 15.9515



7.1028, 7.6566, 8.4099



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



15.8127, 17.7449, 19.7315



27.0662, 30.8306, 34.4179



15.3187, 16.5645, 20.1600



4.0852, 4.5037, 4.9823



10.0488, 15.7432, 16.7737



47.7068, 75.0057, 78.8169

Inverse Universe

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



15.4518, 15.1583, 16.0222



26.3007, 25.3433, 26.5496



15.8991, 16.2195, 15.6577



4.0181, 4.0230, 4.2929



8.5488, 4.3957, 0.9149



40.5923, 20.8933, 3.3832

Previews

White Background



This preview shows how the XYZ color 15.8122, 17.7442, 19.7311 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 15.8122, 17.7442, 19.7311 looks on a black 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

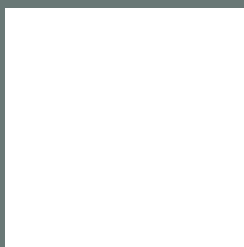
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8122, 17.7442, 19.7311

Background



This preview shows how black text looks on a background with the XYZ color 15.8122, 17.7442, 19.7311.



This preview shows how white text looks on a background with the XYZ color 15.8122, 17.7442,

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

15.8122, 17.7442, 19.7311

Protanopia

17.0055, 17.6737, 19.0381

Deuteranopia

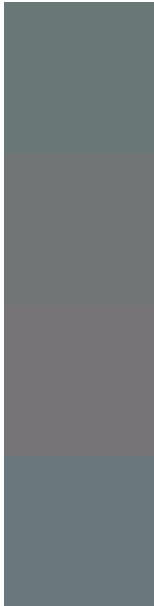
17.9873, 17.6542, 19.9123



Tritanopia

16.4381, 17.6412, 22.9608

Trichromacy



Original Color

15.8122, 17.7442, 19.7311

Protanomaly

16.5116, 17.5843, 19.3535

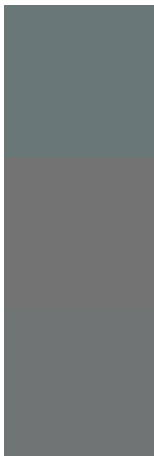
Deuteranomaly

17.1829, 17.7446, 19.9722

Tritanomaly

16.1788, 17.7131, 21.6350

Monochromacy



Original Color

15.8122, 17.7442, 19.7311

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.0692, 17.3630, 19.0275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8122, 17.7442, 19.7311 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(105, 120, 118)` looks like.

```
.text, #text, p{  
    color:rgb(105, 120, 118)  
}
```

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(105, 120, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 120, 118) }
```

Border

The CSS property to change the border of an element to XYZ 15.8122, 17.7442, 19.7311 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(105, 120, 118) }
```


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

```
.border{ border-color:rgb(105, 120, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 120, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 120, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 120, 118);  
box-shadow:4px 4px 4px 4px rgb(105, 120,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8122, 17.7442, 19.7311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 120, 118) }
```

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

```
.background{ background-color: rgb(105,  
120, 118) }
```

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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