

Converting Colors

XYZ(15.9167, 15.6158, 17.7357)

Have a look what the booklet for
XYZ(15.9167, 15.6158, 17.7357)
contains.

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Color

**XYZ(15.9841, 15.7007,
17.8109)**

Conversions

Conversions Part 1

Format	Color
Hex	786B71
RGB	120, 107, 113
RGB Percent	47%, 42%, 44%
CMY	0.5294, 0.5804, 0.5569
CMYK	0.00, 0.11, 0.06, 0.53
HSL	332°, 6%, 45%
HSV	332°, 11%, 47%
XYZ	15.9841, 15.7007, 17.8109
YIQ	111.5710, 5.8220, 4.6220

Conversions

Conversions Part 2

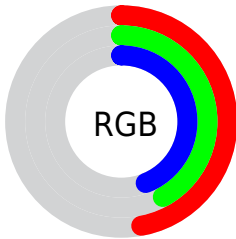
Format	Color
R_{YB}	120, 107, 113
Decimal	7891825
CIE Lab	46.58, 6.25, -1.48
CIE LCh	47, 6.421, 346.631
Yxy	15.7007, 0.3229, 0.3172
Android (android.graphics.Color)	4286081905 (0xFF786B71)
YUV	111.5710, 0.7045, 7.3922
Hunter-Lab	39.6241, 2.6635, 1.0862

Details

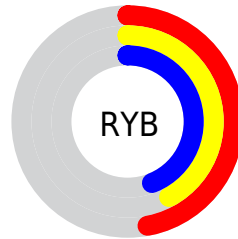
The XYZ color **15.9841, 15.7007, 17.8109** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.8178, 17.7741, 18.5175**, and the grayscale version is **15.2728, 16.0681, 17.4982**.

A 20% lighter version of the original color is **36.0316, 35.9410, 40.6355**, and **5.1685, 4.9530, 5.6846** is the 20% darker color. If you saturate the color by 10%, you get **14.4679, 13.2299, 15.5740**, and if you desaturate by 10%, it is **17.7007, 18.5306, 20.2429**.

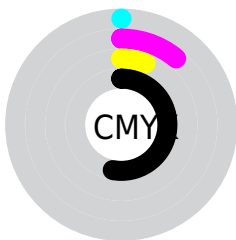
Distribution



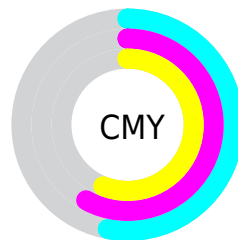
- Red (47%)
- Green (42%)
- Blue (44%)



- Red (47%)
- Yellow (42%)
- Blue (44%)



- Cyan (0%)
- Magenta (11%)
- Yellow (6%)
- Black (53%)



- Cyan (53%)
- Magenta (58%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9841, 15.7007, 17.8109 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 15.9841, 15.7007, 17.8109 by changing the saturation by 10% instead.

■ 15.9841, 15.7007,
17.8109

■ 15.9841, 15.7007,
17.8109

222.5201,
227.5691, 252.0032

■ 9.6037, 9.3126,
10.6463

■ 36.1283, 36.0778,
40.5244

■ 5.1972, 4.9456,
5.7183

■ 50.6227, 50.8356,
56.9104

■ 2.3994, 2.2154,
2.6086

■ 68.5526, 69.1522,
77.2072

■ 0.8448, 0.7284,
0.8969

■ 90.2832, 91.4118,
101.8335

■ 0.0000, 0.0000,
0.0000

116.1799,
117.9989, 131.2076

146.6080,

149.2979, 165.7483

181.9330,
185.6931, 205.8740

■ 15.9841, 15.7007,
17.8109

■ 15.9841, 15.7007,
17.8109

■ 14.4679, 13.2299,
15.5740

■ 17.7007, 18.5306,
20.2429

■ 13.1432, 11.1016,
13.5259

■ 19.6237, 21.7310,
22.8739

■ 12.0023, 9.3012,
11.6616

■ 21.7603, 25.3156,
25.7090

■ 11.0364, 7.8119,
9.9752

■ 24.1171, 29.2966,
28.7529

■ 10.2360, 6.6158,
8.4608

■ 26.7003, 33.6858,
32.0099

■ 9.5906, 5.6928,
7.1117

■ 29.5159, 38.4944,
35.4844

■ 9.0885, 5.0205,
5.9210

■ 32.5696, 43.7332,
39.1806

■ 8.7160, 4.5727,
4.8806

■ 35.8671, 49.4125,
43.1024

■ 8.4445, 4.2726,
4.0413

■ 39.4136, 55.5425,
47.2538

Harmonies

Analogous

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



15.7113, 15.7007, 19.2782



15.9841, 15.7007, 17.8109



15.9677, 15.7007, 16.2366

Triad

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



15.9841, 15.7007, 17.8109



14.6201, 15.7007, 14.3345



14.2031, 15.7007, 19.4115

Complementary

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



15.9841, 15.7007, 17.8109



15.8178, 17.7741, 18.5175

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.



13.9250, 15.7007, 17.9839



15.9841, 15.7007, 17.8109



14.1616, 15.7007, 15.0839

Square

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



15.9841, 15.7007, 17.8109



15.1708, 15.7007, 14.2945



13.9100, 15.7007, 16.3993



14.6780, 15.7007, 20.2401

Rectangle

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



15.9841, 15.7007, 17.8109



15.7947, 15.7007, 15.3382



13.9100, 15.7007, 16.3993



14.0840, 15.7007, 18.9819

Sweetspot

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



15.9845, 15.7014, 17.8112



30.4241, 31.4200, 34.6141



15.5792, 15.4451, 19.9297



7.1572, 7.3586, 8.1287



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.



15.9845, 15.7014, 17.8112



27.4179, 26.4767, 30.3162



15.7031, 15.6613, 16.1060



4.0681, 4.0430, 4.5562



9.2052, 4.6582, 4.3716



43.4892, 22.0520, 18.6383

Inverse Universe

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



15.9845, 15.7014, 17.8112



27.4179, 26.4767, 30.3162



16.1186, 17.8113, 20.3580



4.0681, 4.0430, 4.5562



9.2052, 4.6582, 4.3716



43.4892, 22.0520, 18.6383

Previews

White Background



This preview shows how the XYZ color 15.9841, 15.7007, 17.8109 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 15.9841, 15.7007, 17.8109 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 15.9841, 15.7007, 17.8109

Background



This preview shows how black text looks on a background with the XYZ color 15.9841, 15.7007, 17.8109.



This preview shows how white text looks on a background with the XYZ color 15.9841, 15.7007,

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

15.9841, 15.7007, 17.8109

Protanopia

15.2260, 15.7692, 18.4609

Deuteranopia

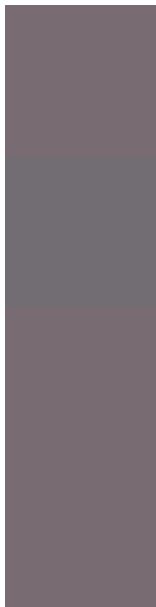
15.9841, 15.7007, 17.8109



Tritanopia

16.0979, 15.7463, 18.4105

Trichromacy



Original Color

15.9841, 15.7007, 17.8109

Protanomaly

15.4453, 15.7296, 18.1416

Deuteranomaly

15.9841, 15.7007, 17.8109

Tritanomaly

16.0407, 15.7234, 18.1091

Monochromacy



Original Color

15.9841, 15.7007, 17.8109

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.5708, 15.9666, 17.5904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9841, 15.7007, 17.8109 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(120, 107, 113)` looks like.

```
.text, #text, p{  
    color:rgb(120, 107, 113)  
}
```

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(120, 107, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 107, 113) }
```

Border

The CSS property to change the border of an element to XYZ 15.9841, 15.7007, 17.8109 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(120, 107, 113) }
```


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

```
.border{ border-color:rgb(120, 107, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 107, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 107, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 107, 113);  
box-shadow:4px 4px 4px 4px rgb(120, 107,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9841, 15.7007, 17.8109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 107, 113) }
```

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

```
.background{ background-color: rgb(120,  
107, 113) }
```

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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