

Converting Colors

XYZ(15.7656, 15.6902, 17.9425)

Have a look what the booklet for
XYZ(15.7656, 15.6902, 17.9425)
contains.

XYZ(15.8144, 15.7689, 17.8330)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.8144, 15.7689,
17.8330)**

Conversions

Conversions Part 1

Format	Color
Hex	766C71
RGB	118, 108, 113
RGB Percent	46%, 42%, 44%
CMY	0.5373, 0.5765, 0.5569
CMYK	0.00, 0.08, 0.04, 0.54
HSL	330°, 4%, 44%
HSV	330°, 8%, 46%
XYZ	15.8144, 15.7689, 17.8330
YIQ	111.5600, 4.3550, 3.6750

Conversions

Conversions Part 2

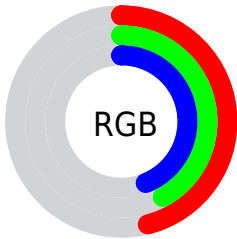
Format	Color
R_{YB}	118, 108, 113
Decimal	7761009
CIE Lab	46.67, 4.88, -1.37
CIE LCh	47, 5.067, 344.266
Yxy	15.7689, 0.3200, 0.3191
Android (android.graphics.Color)	4285951089 (0xFF766C71)
YUV	111.5600, 0.7099, 5.6479
Hunter-Lab	39.7101, 1.5944, 1.1711

Details

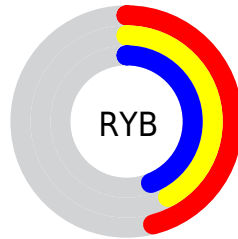
The XYZ color **15.8144, 15.7689, 17.8330** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.6440, 17.3377, 18.1455**, and the grayscale version is **15.2698, 16.0650, 17.4948**.

A 20% lighter version of the original color is **35.7672, 36.0589, 40.6722**, and **5.1487, 5.0212, 5.6989** is the 20% darker color. If you saturate the color by 10%, you get **14.3318, 13.3180, 15.7527**, and if you desaturate by 10%, it is **17.4880, 18.5667, 20.0839**.

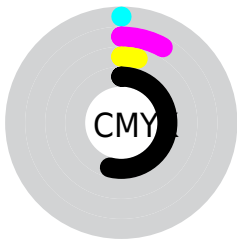
Distribution



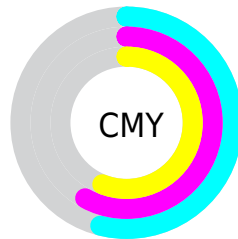
- Red (46%)
- Green (42%)
- Blue (44%)



- Red (46%)
- Yellow (42%)
- Blue (44%)



- Cyan (0%)
- Magenta (8%)
- Yellow (4%)
- Black (54%)



- Cyan (54%)
- Magenta (58%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8144, 15.7689, 17.8330 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 15.8144, 15.7689, 17.8330 by changing the saturation by 10% instead.

■ 15.8144, 15.7689,
17.8330

■ 15.8144, 15.7689,
17.8330

221.5360,
227.9742, 252.1325

■ 9.4829, 9.3608,
10.6620

■ 35.8357, 36.1965,
40.5626

■ 5.1171, 4.9772,
5.7287

■ 50.2563, 50.9848,
56.9583

■ 2.3516, 2.2339,
2.6147

■ 68.1040, 69.3353,
77.2660

■ 0.8209, 0.7384,
0.9000

■ 89.7441, 91.6324,
101.9041

■ 0.0000, 0.0000,
0.0000

115.5420,
118.2604, 131.2913

145.8631,

149.6037, 165.8461

181.0726,
186.0469, 205.9869

■ 15.8144, 15.7689,
17.8330

■ 15.8144, 15.7689,
17.8330

■ 14.3318, 13.3180,
15.7527

■ 17.4880, 18.5667,
20.0839

■ 13.0317, 11.1984,
13.8377

■ 19.3579, 21.7223,
22.5087

■ 11.9069, 9.3963,
12.0836

■ 21.4311, 25.2484,
25.1116

■ 10.9494, 7.8960,
10.4857

■ 23.7136, 29.1568,
27.8967

■ 10.1503, 6.6806,
9.0388

■ 26.2112, 33.4584,
30.8676

■ 9.4998, 5.7316,
7.7373

■ 28.9296, 38.1640,
34.0280

■ 8.9873, 5.0281,
6.5754

■ 31.8742, 43.2838,
37.3814

■ 8.6003, 4.5460,
5.5464

■ 35.0501, 48.8276,
40.9312

■ 8.3036, 4.2158,
4.6360

■ 38.4625, 54.8050,
44.6808

Harmonies

Analogous

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



15.5843, 15.7689, 18.9581



15.8144, 15.7689, 17.8330



15.8202, 15.7689, 16.5813

Triad

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



15.8144, 15.7689, 17.8330



14.7810, 15.7689, 14.9335



14.3920, 15.7689, 18.9114

Complementary

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



15.8144, 15.7689, 17.8330



15.6440, 17.3377, 18.1455

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.



14.1853, 15.7689, 17.7718



15.8144, 15.7689, 17.8330



14.4069, 15.7689, 15.4974

Square

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



15.8144, 15.7689, 17.8330



15.2177, 15.7689, 14.9481



14.1906, 15.7689, 16.5230



14.7603, 15.7689, 19.6011

Rectangle

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



15.8144, 15.7689, 17.8330



15.6957, 15.7689, 15.8453



14.1906, 15.7689, 16.5230



14.3016, 15.7689, 18.5658

Sweetspot

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



15.8148, 15.7696, 17.8333



29.3531, 30.3057, 33.4550



15.4432, 15.5446, 19.3262



6.7009, 6.8878, 7.6275



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



15.8148, 15.7696, 17.8333



27.3201, 26.9184, 30.6851



15.5411, 15.6601, 16.3917



3.7532, 3.7286, 4.2271



8.9302, 4.5058, 4.8407



43.0856, 21.7843, 21.3118

Inverse Universe

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



15.8148, 15.7696, 17.8333



27.3201, 26.9184, 30.6851



15.9333, 17.4534, 19.6688



3.7532, 3.7286, 4.2271



8.9302, 4.5058, 4.8407



43.0856, 21.7843, 21.3118

Previews

White Background



This preview shows how the XYZ color 15.8144, 15.7689, 17.8330 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 15.8144, 15.7689, 17.8330 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 15.8144, 15.7689, 17.8330

Background



This preview shows how black text looks on a background with the XYZ color 15.8144, 15.7689, 17.8330.



This preview shows how white text looks on a background with the XYZ color 15.8144, 15.7689,

17.8330.

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

15.8144, 15.7689, 17.8330

Protanopia

15.2953, 15.8115, 18.1654

Deuteranopia

15.9841, 15.7007, 17.8109



Tritanopia

15.9862, 15.8376, 18.7374

Trichromacy



Original Color

15.8144, 15.7689, 17.8330

Protanomaly

15.4453, 15.7296, 18.1416

Deuteranomaly

15.8461, 15.6296, 17.8044

Tritanomaly

15.9283, 15.8145, 18.4326

Monochromacy



Original Color

15.8144, 15.7689, 17.8330

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.5485, 16.1161, 17.6205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8144, 15.7689, 17.8330 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(118, 108, 113)` looks like.

```
.text, #text, p{  
    color:rgb(118, 108, 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(118, 108, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 108, 113) }
```

Border

The CSS property to change the border of an element to XYZ 15.8144, 15.7689, 17.8330 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(118, 108, 113) }
```


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

```
.border{ border-color:rgb(118, 108, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 108, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 108, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 108, 113);  
box-shadow:4px 4px 4px 4px rgb(118, 108,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8144, 15.7689, 17.8330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 108, 113) }
```

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

```
.background{ background-color: rgb(118,  
108, 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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