

Converting Colors

XYZ(17.8266, 16.6473, 33.7401)

Have a look what the booklet for
XYZ(17.8266, 16.6473, 33.7401)
contains.

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Color

**XYZ(17.7761, 16.5888,
33.7175)**

Conversions

Conversions Part 1

Format	Color
Hex	6D6D9C
RGB	109, 109, 156
RGB Percent	43%, 43%, 61%
CMY	0.5725, 0.5725, 0.3882
CMYK	0.30, 0.30, 0.00, 0.39
HSL	240°, 19%, 52%
HSV	240°, 30%, 61%
XYZ	17.7761, 16.5888, 33.7175
YIQ	114.3580, -15.0870, 14.6170

Conversions

Conversions Part 2

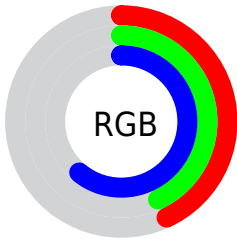
Format	Color
R _{YB}	109, 109, 156
Decimal	7171484
CIE Lab	47.74, 11.20, -25.42
CIE LCh	48, 27.777, 293.790
Yxy	16.5888, 0.2611, 0.2437
Android (android.graphics.Color)	4285361564 (0xFF6D6D9C)
YUV	114.3580, 20.5295, -4.6990
Hunter-Lab	40.7294, 6.6290, -20.5723

Details

The XYZ color **17.7761, 16.5888, 33.7175** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.3593, 31.9492, 19.1408**, and the grayscale version is **16.0457, 16.8813, 18.3837**.

A 20% lighter version of the original color is **39.2290, 37.5261, 66.8037**, and **6.0761, 5.3950, 14.0857** is the 20% darker color. If you saturate the color by 10%, you get **14.5056, 12.6480, 33.1295**, and if you desaturate by 10%, it is **21.6837, 21.2972, 34.4206**.

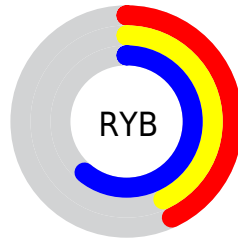
Distribution



Red (43%)

Green (43%)

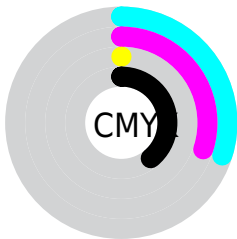
Blue (61%)



Red (43%)

Yellow (43%)

Blue (61%)

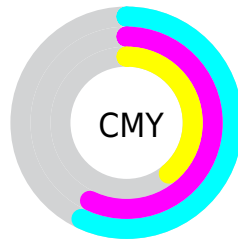


Cyan (30%)

Magenta (30%)

Yellow (0%)

Black (39%)



Cyan (57%)

Magenta (57%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7761, 16.5888, 33.7175 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 17.7761, 16.5888, 33.7175 by changing the saturation by 10% instead.

■ 17.7761, 16.5888,
33.7175

■ 17.7761, 16.5888,
33.7175

232.6761,
232.7915, 333.6012

■ 10.8881, 9.9418,
22.4011

■ 39.1885, 37.6174,
66.6230

■ 6.0584, 5.3604,
13.9508

■ 54.4436, 52.7678,
89.0491

■ 2.9216, 2.4602,
7.9481

■ 73.2184, 71.5214,
116.0155

■ 1.1124, 0.8566,
3.9744

■ 95.8784, 94.2626,
147.9408

■ 0.0355, 0.0000,
1.6113

122.7887,
121.3758, 185.2435

■ 0.0000, 0.0000,
0.2989

154.3149,

■ 0.0000, 0.0000,

153.2454, 228.3421

0.0000

190.8222,
190.2558, 277.6551

■ 17.7761, 16.5888,
33.7175

■ 17.7761, 16.5888,
33.7175

■ 14.5056, 12.6480,
33.1295

■ 21.6837, 21.2972,
34.4206

■ 11.8369, 9.4324,
32.6495

■ 26.2578, 26.8087,
35.2434

■ 9.7338, 6.8983,
32.2712

■ 31.5282, 33.1592,
36.1914

■ 8.1555, 4.9966,
31.9873

■ 37.5222, 40.3816,
37.2695

■ 7.0560, 3.6717,
31.7896

■ 44.2657, 48.5071,
38.4825

■ 6.3810, 2.8584,
31.6681

■ 51.7834, 57.5654,
39.8347

■ 6.0008, 2.4003,
31.5998

■ 60.0987, 67.5849,
41.3304

■ 69.2342, 78.5926,
42.9736

■ 79.2115, 90.6146,
44.7682

Harmonies

Analogous

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



15.2555, 16.5888, 35.3869



17.7761, 16.5888, 33.7175



19.9493, 16.5888, 27.4220

Triad

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



17.7761, 16.5888, 33.7175



18.7645, 16.5888, 9.1117



11.4746, 16.5888, 16.6209

Complementary

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



17.7761, 16.5888, 33.7175



28.3593, 31.9492, 19.1408

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.



12.2146, 16.5888, 11.1192



17.7761, 16.5888, 33.7175



16.2902, 16.5888, 7.5810

Square

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



17.7761, 16.5888, 33.7175



20.5606, 16.5888, 13.0815



13.9156, 16.5888, 8.2047



11.7834, 16.5888, 24.1699

Rectangle

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



17.7761, 16.5888, 33.7175



20.8198, 16.5888, 22.1621



13.9156, 16.5888, 8.2047



11.6062, 16.5888, 14.5023

Sweetspot

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



17.7767, 16.5894, 33.7179



48.5446, 49.7200, 64.1651



24.1963, 29.4288, 35.8578



10.4133, 10.6169, 14.0708



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



17.7767, 16.5894, 33.7179



28.2485, 25.2646, 60.5144



21.0640, 18.2841, 33.8717



6.2848, 6.4353, 8.3176



4.9428, 1.9771, 26.0283



0.0884, 0.0354, 0.4654

Inverse Universe

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



25.1801, 20.4060, 34.0642



43.8582, 33.3116, 61.2446



24.2433, 29.8273, 18.9481



6.9042, 6.7546, 8.3465



16.2358, 7.7989, 26.5565



0.2903, 0.1394, 0.4748

Previews

White Background



This preview shows how the XYZ color 17.7761, 16.5888, 33.7175 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 17.7761, 16.5888, 33.7175 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 17.7761, 16.5888, 33.7175

Background



This preview shows how black text looks on a background with the XYZ color 17.7761, 16.5888, 33.7175.



This preview shows how white text looks on a background with the XYZ color 17.7761, 16.5888,

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

17.7761, 16.5888, 33.7175

Protanopia

17.1113, 16.7096, 34.6712

Deuteranopia

16.9661, 16.6642, 33.3327



Tritanopia

15.2483, 16.5415, 21.4579

Trichromacy



Original Color

17.7761, 16.5888, 33.7175

Protanomaly

17.3638, 16.6868, 34.2040

Deuteranomaly

17.1944, 16.6190, 33.3119

Tritanomaly

16.1748, 16.5911, 25.6425

Monochromacy



Original Color

17.7761, 16.5888, 33.7175

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.4387, 16.6181, 23.1101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7761, 16.5888, 33.7175 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(109, 109, 156)` looks like.

```
.text, #text, p{  
    color:rgb(109, 109, 156)  
}
```

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(109, 109, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 109, 156) }
```

Border

The CSS property to change the border of an element to XYZ 17.7761, 16.5888, 33.7175 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(109, 109, 156) }
```


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

```
.border{ border-color:rgb(109, 109, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 109, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 109, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 109, 156);  
box-shadow:4px 4px 4px 4px rgb(109, 109,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7761, 16.5888, 33.7175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 109, 156) }
```

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

```
.background{ background-color: rgb(109,  
109, 156) }
```

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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