

Converting Colors

XYZ(15.8225, 17.3540, 16.0344)

Have a look what the booklet for
XYZ(15.8225, 17.3540, 16.0344)
contains.

XYZ(15.7729, 17.2739, 16.1385)	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(15.7729, 17.2739,
16.1385)**

Conversions

Conversions Part 1

Format	Color
Hex	71756A
RGB	113, 117, 106
RGB Percent	44%, 46%, 42%
CMY	0.5569, 0.5412, 0.5843
CMYK	0.03, 0.00, 0.09, 0.54
HSL	82°, 5%, 44%
HSV	82°, 9%, 46%
XYZ	15.7729, 17.2739, 16.1385
YIQ	114.5500, 1.1470, -4.2690

Conversions

Conversions Part 2

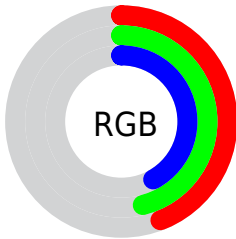
Format	Color
R_{YB}	106, 117, 110
Decimal	7435626
CIE Lab	48.60, -3.70, 5.54
CIE LCh	49, 6.662, 123.715
Yxy	17.2739, 0.3207, 0.3512
Android (android.graphics.Color)	4285625706 (0xFF71756A)
YUV	114.5500, -4.2152, -1.3594
Hunter-Lab	41.5619, -4.9918, 6.0710

Details

The XYZ color **15.7729, 17.2739, 16.1385** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.7959, 14.9078, 18.9282**, and the grayscale version is **16.1721, 17.0143, 18.5286**.

A 20% lighter version of the original color is **35.7908, 38.8096, 37.5029**, and **5.0975, 5.6958, 4.9684** is the 20% darker color. If you saturate the color by 10%, you get **14.6709, 16.7719, 13.1246**, and if you desaturate by 10%, it is **16.9846, 17.8239, 19.5917**.

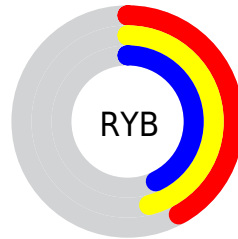
Distribution



Red (44%)

Green (46%)

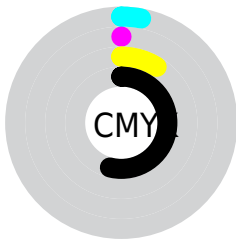
Blue (42%)



Red (42%)

Yellow (46%)

Blue (43%)

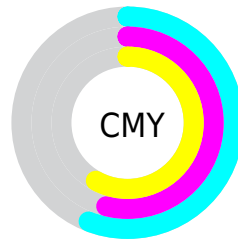


Cyan (3%)

Magenta (0%)

Yellow (9%)

Black (54%)



Cyan (56%)

Magenta (54%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7729, 17.2739, 16.1385 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 15.7729, 17.2739, 16.1385 by changing the saturation by 10% instead.

■ 15.7729, 17.2739,
16.1385

■ 15.7729, 17.2739,
16.1385

221.2947,
236.7459, 242.0311

■ 9.4534, 10.4300,
9.4668

■ 35.7641, 38.7961,
37.6086

■ 5.0976, 5.6850,
4.9459

■ 50.1666, 54.2432,
53.2441

■ 2.3400, 2.6545,
2.1574

■ 67.9941, 73.3267,
72.7046

■ 0.8150, 0.9541,
0.6496

■ 89.6120, 96.4312,
96.4086

■ 0.0000, 0.0000,
0.0000

115.3857,
123.9409, 124.7748

145.6804,

156.2404, 158.2216

180.8617,
193.7139, 197.1675

■ 15.7729, 17.2739,
16.1385

■ 15.7729, 17.2739,
16.1385

■ 14.6709, 16.7719,
13.1246

■ 16.9846, 17.8239,
19.5917

■ 13.6735, 16.3141,
10.5312

■ 18.3080, 18.4210,
23.4997

■ 12.7772, 15.8996,
8.3399

■ 19.7469, 19.0674,
27.8786

■ 11.9778, 15.5267,
6.5305

■ 21.3046, 19.7643,
32.7433

■ 11.2708, 15.1936,
5.0811

■ 22.9841, 20.5131,
38.1082

■ 10.6512, 14.8982,
3.9673

■ 24.7882, 21.3149,
43.9871

■ 10.1135, 14.6382,
3.1620

■ 26.7198, 22.1709,
50.3931

■ 9.6512, 14.4111,
2.6337

■ 28.7816, 23.0822,
57.3390

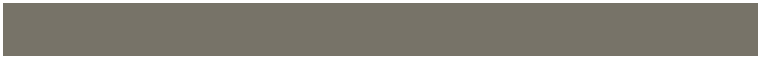
■ 9.2437, 14.2086,
2.2754

■ 30.9763, 24.0499,
64.8370

Harmonies

Analogous

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



16.3421, 17.2739, 15.6376



15.7729, 17.2739, 16.1385



15.3843, 17.2739, 17.3531

Triad

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



15.7729, 17.2739, 16.1385



15.9020, 17.2739, 21.9993



17.6225, 17.2739, 18.5905

Complementary

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



15.7729, 17.2739, 16.1385



14.7959, 14.9078, 18.9282

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.



17.4977, 17.2739, 20.3428



15.7729, 17.2739, 16.1385



16.4948, 17.2739, 22.3810

Square

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



15.7729, 17.2739, 16.1385



15.4575, 17.2739, 20.7444



17.0811, 17.2739, 21.7575



17.4181, 17.2739, 16.9966

Rectangle

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



15.7729, 17.2739, 16.1385



15.2747, 17.2739, 18.4413



17.0811, 17.2739, 21.7575



17.6177, 17.2739, 19.1802

Sweetspot

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



15.7734, 17.2746, 16.1389



29.5930, 31.5446, 32.7164



15.4980, 15.9426, 15.8963



6.7683, 7.2365, 7.4201



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.



15.7734, 17.2746, 16.1389



27.8581, 30.7567, 27.8243



15.1052, 16.9302, 16.1076



3.8436, 4.2029, 3.9509



10.1408, 15.6321, 2.4828



48.4536, 75.6805, 12.0540

Inverse Universe

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



14.7959, 14.9078, 18.9282



25.7833, 25.7328, 33.7450



15.4818, 15.2614, 18.9603



3.6148, 3.6487, 4.6040



4.5989, 1.9621, 18.6789



21.5437, 9.1147, 90.9841

Previews

White Background



This preview shows how the XYZ color 15.7729, 17.2739, 16.1385 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 15.7729, 17.2739, 16.1385 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

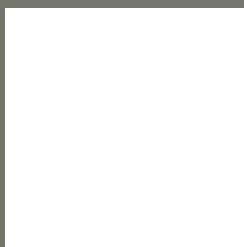
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.7729, 17.2739, 16.1385

Background



This preview shows how black text looks on a background with the XYZ color 15.7729, 17.2739, 16.1385.

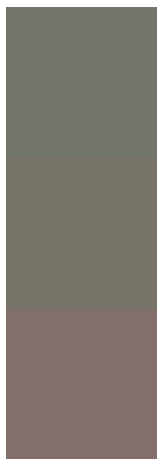


This preview shows how white text looks on a background with the XYZ color 15.7729, 17.2739,

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

15.7729, 17.2739, 16.1385

Protanopia

16.4263, 17.2745, 15.8331

Deuteranopia

17.5442, 17.1762, 16.3006



Tritanopia

16.7949, 17.1777, 21.1693

Trichromacy



Original Color

15.7729, 17.2739, 16.1385

Protanomaly

16.1313, 17.2926, 15.8522

Deuteranomaly

16.8711, 17.1569, 16.3323

Tritanomaly

16.4119, 17.1907, 19.2828

Monochromacy



Original Color

15.7729, 17.2739, 16.1385

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.1095, 17.2380, 17.8074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7729, 17.2739, 16.1385 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(113, 117, 106)` looks like.

```
.text, #text, p{  
    color:rgb(113, 117, 106)  
}
```

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(113, 117, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 117, 106) }
```

Border

The CSS property to change the border of an element to XYZ 15.7729, 17.2739, 16.1385 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(113, 117, 106) }
```


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

```
.border{ border-color:rgb(113, 117, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 117, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 117, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 117, 106);  
box-shadow:4px 4px 4px 4px rgb(113, 117,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7729, 17.2739, 16.1385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 117, 106) }
```

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

```
.background{ background-color: rgb(113,  
117, 106) }
```

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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