

Converting Colors

XYZ(15.6872, 16.8395, 16.5386)

Have a look what the booklet for
XYZ(15.6872, 16.8395, 16.5386)
contains.

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Color

**XYZ(15.7769, 16.9216,
16.6220)**

Conversions

Conversions Part 1

Format	Color
Hex	72736C
RGB	114, 115, 108
RGB Percent	45%, 45%, 42%
CMY	0.5529, 0.5490, 0.5765
CMYK	0.01, 0.00, 0.06, 0.55
HSL	69°, 3%, 44%
HSV	69°, 6%, 45%
XYZ	15.7769, 16.9216, 16.6220
YIQ	113.9030, 1.6510, -2.3890

Conversions

Conversions Part 2

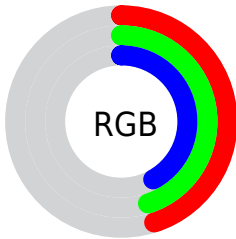
Format	Color
R_{YB}	108, 115, 109
Decimal	7500652
CIE Lab	48.16, -1.77, 3.73
CIE LCh	48, 4.130, 115.352
Yxy	16.9216, 0.3199, 0.3431
Android (android.graphics.Color)	4285690732 (0xFF72736C)
YUV	113.9030, -2.9102, 0.0851
Hunter-Lab	41.1359, -3.5274, 4.8375

Details

The XYZ color **15.7769, 16.9216, 16.6220** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.7645, 15.2146, 18.3791**, and the grayscale version is **15.9736, 16.8055, 18.3012**.

A 20% lighter version of the original color is **35.8026, 38.2476, 38.2964**, and **5.0962, 5.5095, 5.2097** is the 20% darker color. If you saturate the color by 10%, you get **14.9926, 16.5839, 13.5984**, and if you desaturate by 10%, it is **16.6467, 17.2951, 20.0719**.

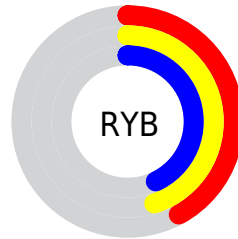
Distribution



Red (45%)

Green (45%)

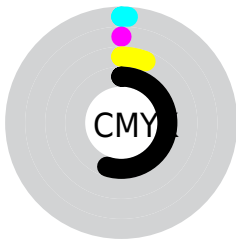
Blue (42%)



Red (42%)

Yellow (45%)

Blue (43%)

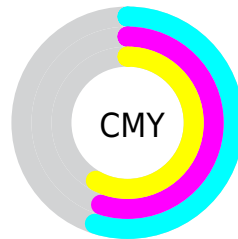


Cyan (1%)

Magenta (0%)

Yellow (6%)

Black (55%)



Cyan (55%)

Magenta (55%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7769, 16.9216, 16.6220 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 15.7769, 16.9216, 16.6220 by changing the saturation by 10% instead.

■ 15.7769, 16.9216,
16.6220

■ 15.7769, 16.9216,
16.6220

221.3180,
234.7202, 244.9543

■ 9.4563, 10.1786,
9.8063

■ 35.7710, 38.1909,
38.4564

■ 5.0994, 5.5175,
5.1668

■ 50.1753, 53.4861,
54.3122

■ 2.3411, 2.5540,
2.2850

■ 68.0047, 72.4007,
74.0183

■ 0.8156, 0.9036,
0.7228

■ 89.6248, 95.3192,
97.9935

■ 0.0000, 0.0000,
0.0000

115.4008,
122.6260, 126.6561

145.6981,

154.7055, 160.4247

180.8820,
191.9421, 199.7180

■ 15.7769, 16.9216,
16.6220

■ 15.7769, 16.9216,
16.6220

■ 14.9926, 16.5839,
13.5984

■ 16.6467, 17.2951,
20.0719

■ 14.2894, 16.2785,
10.9833

■ 17.6037, 17.7033,
23.9625

■ 13.6642, 16.0048,
8.7596

■ 18.6511, 18.1481,
28.3091

■ 13.1136, 15.7614,
6.9085

■ 19.7917, 18.6307,
33.1257

■ 12.6335, 15.5466,
5.4093

■ 21.0280, 19.1520,
38.4259

■ 12.2198, 15.3587,
4.2398

■ 22.3625, 19.7130,
44.2227

■ 11.8677, 15.1960,
3.3750

■ 23.7976, 20.3148,
50.5286

■ 11.5716, 15.0561,
2.7864

■ 25.3357, 20.9581,
57.3556

■ 11.3206, 14.9346,
2.4152

■ 26.9789, 21.6440,
64.7154

Harmonies

Analogous

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



16.1419, 16.9216, 16.4434



15.7769, 16.9216, 16.6220



15.4979, 16.9216, 17.2762

Triad

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



15.7769, 16.9216, 16.6220



15.6773, 16.9216, 20.1752



16.8124, 16.9216, 18.5925

Complementary

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



15.7769, 16.9216, 16.6220



14.7645, 15.2146, 18.3791

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.



16.6836, 16.9216, 19.6231



15.7769, 16.9216, 16.6220



16.0252, 16.9216, 20.5592

Square

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



15.7769, 16.9216, 16.6220



15.4410, 16.9216, 19.3226



16.3940, 16.9216, 20.3533



16.7435, 16.9216, 17.5552

Rectangle

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



15.7769, 16.9216, 16.6220



15.3963, 16.9216, 17.9078



16.3940, 16.9216, 20.3533



16.7908, 16.9216, 18.9516

Sweetspot

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



15.7774, 16.9223, 16.6224



28.8606, 30.5629, 32.1637



15.2391, 15.6511, 16.4054



6.8909, 7.2937, 7.6959



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.



15.7774, 16.9223, 16.6224



28.0897, 30.2317, 29.1343



15.3393, 16.6965, 16.6019



3.9545, 4.2569, 4.0981



12.8191, 17.0128, 2.6082



61.9175, 82.6214, 12.6841

Inverse Universe

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



14.7645, 15.2146, 18.3791



25.9648, 26.6491, 32.8198



15.1950, 15.4366, 18.3993



3.6529, 3.7484, 4.6212



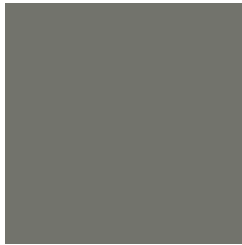
3.7785, 1.5392, 18.6405



17.9600, 7.2672, 90.8164

Previews

White Background



This preview shows how the XYZ color 15.7769, 16.9216, 16.6220 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 15.7769, 16.9216, 16.6220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

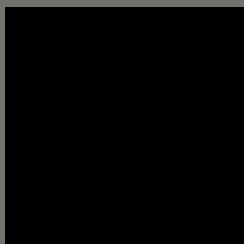
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

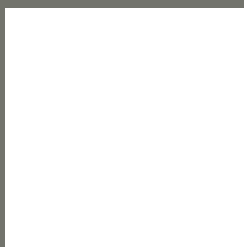
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.7769, 16.9216, 16.6220

Background



This preview shows how black text looks on a background with the XYZ color 15.7769, 16.9216, 16.6220.



This preview shows how white text looks on a background with the XYZ color 15.7769, 16.9216,

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

15.7769, 16.9216, 16.6220

Protanopia

16.1424, 16.9477, 16.3304

Deuteranopia

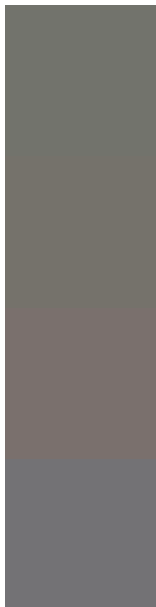
17.0886, 16.7680, 16.8039



Tritanopia

16.6204, 16.9284, 20.8039

Trichromacy



Original Color

15.7769, 16.9216, 16.6220

Protanomaly

16.0073, 16.8781, 16.3240

Deuteranomaly

16.5805, 16.8300, 16.8426

Tritanomaly

16.2984, 16.9638, 19.2449

Monochromacy



Original Color

15.7769, 16.9216, 16.6220

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.8814, 16.7819, 17.7314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7769, 16.9216, 16.6220 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(114, 115, 108)` looks like.

```
.text, #text, p{  
    color:rgb(114, 115, 108)  
}
```

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(114, 115, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 115, 108) }
```

Border

The CSS property to change the border of an element to XYZ 15.7769, 16.9216, 16.6220 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(114, 115, 108) }
```


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

```
.border{ border-color:rgb(114, 115, 108) }
```

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

Here you see how a box with a 4 pixel rgb(114, 115, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 115, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 115, 108);  
box-shadow:4px 4px 4px 4px rgb(114, 115,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7769, 16.9216, 16.6220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 115, 108) }
```

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

```
.background{ background-color: rgb(114,  
115, 108) }
```

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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