

Converting Colors

XYZ(16.2839, 17.4907, 16.0365)

Have a look what the booklet for
XYZ(16.2839, 17.4907, 16.0365)
contains.

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Color

**XYZ(16.2989, 17.5451,
16.1632)**

Conversions

Conversions Part 1

Format	Color
Hex	75756A
RGB	117, 117, 106
RGB Percent	46%, 46%, 42%
CMY	0.5412, 0.5412, 0.5843
CMYK	0.00, 0.00, 0.09, 0.54
HSL	60°, 5%, 44%
HSV	60°, 9%, 46%
XYZ	16.2989, 17.5451, 16.1632
YIQ	115.7460, 3.5310, -3.4210

Conversions

Conversions Part 2

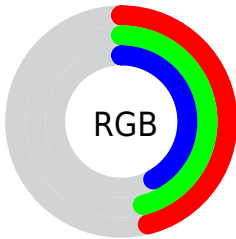
Format	Color
R_{YB}	106, 117, 106
Decimal	7697770
CIE Lab	48.94, -2.13, 6.07
CIE LCh	49, 6.429, 109.315
Yxy	17.5451, 0.3259, 0.3509
Android (android.graphics.Color)	4285887850 (0xFF75756A)
YUV	115.7460, -4.8048, 1.0998
Hunter-Lab	41.8869, -3.8446, 6.4421

Details

The XYZ color **16.2989, 17.5451, 16.1632** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.3095, 14.6571, 18.9055**, and the grayscale version is **16.5366, 17.3978, 18.9462**.

A 20% lighter version of the original color is **36.6360, 39.2453, 37.5425**, and **5.3718, 5.8372, 4.9812** is the 20% darker color. If you saturate the color by 10%, you get **15.7313, 17.3186, 13.1743**, and if you desaturate by 10%, it is **16.9505, 17.8064, 19.5902**.

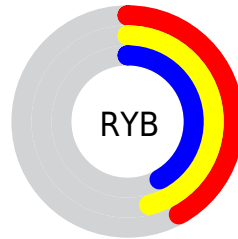
Distribution



Red (46%)

Green (46%)

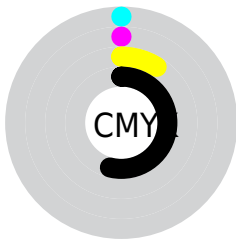
Blue (42%)



Red (42%)

Yellow (46%)

Blue (42%)

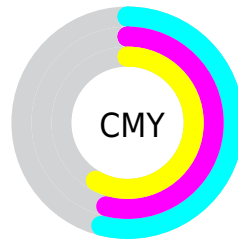


Cyan (0%)

Magenta (0%)

Yellow (9%)

Black (54%)



Cyan (54%)

Magenta (54%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2989, 17.5451, 16.1632 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 16.2989, 17.5451, 16.1632 by changing the saturation by 10% instead.

■ 16.2989, 17.5451,
16.1632

■ 16.2989, 17.5451,
16.1632

224.3349,
238.2943, 242.1813

■ 9.8281, 10.6239,
9.4841

■ 36.6696, 39.2606,
37.6520

■ 5.3465, 5.8145,
4.9572

■ 51.3002, 54.8238,
53.2988

■ 2.4888, 2.7326,
2.1639

■ 69.3815, 74.0363,
72.7720

■ 0.8896, 0.9938,
0.6534

■ 91.2787, 97.2827,
96.4899

■ 0.0000, 0.0000,
0.0000

117.3574,
124.9473, 124.8713

147.9827,

157.4145, 158.3347

183.5201,
195.0687, 197.2985

■ 16.2989, 17.5451,
16.1632

■ 16.2989, 17.5451,
16.1632

■ 15.7313, 17.3186,
13.1743

■ 16.9505, 17.8064,
19.5902

■ 15.2429, 17.1232,
10.6047

■ 17.6878, 18.1014,
23.4708

■ 14.8307, 16.9582,
8.4360

■ 18.5144, 18.4320,
27.8210

■ 14.4907, 16.8222,
6.6482

■ 19.4329, 18.7995,
32.6559

■ 14.2189, 16.7135,
5.2191

■ 20.4462, 19.2048,
37.9897

■ 14.0107, 16.6301,
4.1245

■ 21.5569, 19.6492,
43.8361

■ 13.8608, 16.5701,
3.3374

■ 22.7674, 20.1334,
50.2085

■ 13.7633, 16.5310,
2.8262

■ 24.0802, 20.6586,
57.1193

■ 13.6979, 16.5048,
2.4838

■ 25.4976, 21.2256,
64.5810

Harmonies

Analogous

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



16.8901, 17.5451, 16.0488



16.2989, 17.5451, 16.1632



15.8198, 17.5451, 17.0376

Triad

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



16.2989, 17.5451, 16.1632



15.9382, 17.5451, 21.7094



17.8309, 17.5451, 19.7203

Complementary

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



16.2989, 17.5451, 16.1632



14.3095, 14.6571, 18.9055

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.



17.5627, 17.5451, 21.3303



16.2989, 17.5451, 16.1632



16.4639, 17.5451, 22.5234

Square

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



16.2989, 17.5451, 16.1632



15.6150, 17.5451, 20.2129



17.0591, 17.5451, 22.3807



17.7842, 17.5451, 18.0357

Rectangle

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



16.2989, 17.5451, 16.1632



15.6240, 17.5451, 17.9646



17.0591, 17.5451, 22.3807



17.7744, 17.5451, 20.2898

Sweetspot

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



16.2994, 17.5459, 16.1636



29.9057, 31.7058, 32.7311



15.0923, 15.1310, 15.7611



6.8566, 7.2820, 7.4243



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.



16.2994, 17.5459, 16.1636



28.9833, 31.3367, 27.8770



15.5821, 17.1761, 16.1300



3.9666, 4.2662, 3.9567



15.0869, 18.1820, 2.7143



73.5193, 88.6024, 13.2271

Inverse Universe

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



14.3095, 14.6571, 18.9055



24.7596, 25.2050, 33.6971



14.9841, 15.0049, 18.9371



3.5007, 3.5899, 4.5987



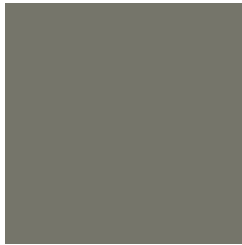
3.5381, 1.4153, 18.6293



17.2405, 6.8963, 90.7827

Previews

White Background



This preview shows how the XYZ color 16.2989, 17.5451, 16.1632 looks on a white background.

Color Contrast Check

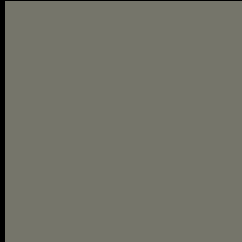
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2989, 17.5451, 16.1632 looks on a black 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

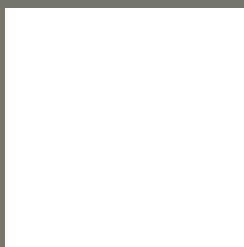
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2989, 17.5451, 16.1632

Background



This preview shows how black text looks on a background with the XYZ color 16.2989, 17.5451, 16.1632.



This preview shows how white text looks on a background with the XYZ color 16.2989, 17.5451,

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

16.2989, 17.5451, 16.1632

Protanopia

16.6804, 17.5757, 15.8779

Deuteranopia

17.8081, 17.4752, 16.3444



Tritanopia

17.3382, 17.4578, 21.1948

Trichromacy



Original Color

16.2989, 17.5451, 16.1632

Protanomaly

16.5409, 17.5038, 15.8714

Deuteranomaly

17.2753, 17.5318, 16.3834

Tritanomaly

16.9494, 17.4678, 19.3079

Monochromacy



Original Color

16.2989, 17.5451, 16.1632

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.3725, 17.3736, 17.8198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2989, 17.5451, 16.1632 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(117, 117, 106)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 117, 106) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 16.2989, 17.5451, 16.1632 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(117, 117, 106) }
```


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

```
.border{ border-color:rgb(117, 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(117, 117, 106)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 16.2989, 17.5451, 16.1632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(117,  
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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