

Converting Colors

XYZ(16.4431, 17.3744, 15.8787)

Have a look what the booklet for
XYZ(16.4431, 17.3744, 15.8787)
contains.

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Color

**XYZ(16.5409, 17.5038,
15.8714)**

Conversions

Conversions Part 1

Format	Color
Hex	787469
RGB	120, 116, 105
RGB Percent	47%, 45%, 41%
CMY	0.5294, 0.5451, 0.5882
CMYK	0.00, 0.03, 0.12, 0.53
HSL	44°, 7%, 44%
HSV	44°, 12%, 47%
XYZ	16.5409, 17.5038, 15.8714
YIQ	115.9420, 5.9150, -2.5730

Conversions

Conversions Part 2

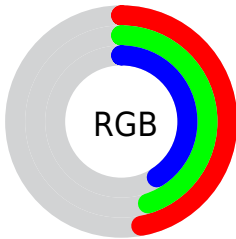
Format	Color
R_{YB}	110, 120, 105
Decimal	7894121
CIE Lab	48.89, -0.54, 6.62
CIE LCh	49, 6.642, 94.651
Yxy	17.5038, 0.3314, 0.3507
Android (android.graphics.Color)	4286084201 (0xFF787469)
YUV	115.9420, -5.3944, 3.5589
Hunter-Lab	41.8375, -2.6439, 6.7942

Details

The XYZ color **16.5409, 17.5038, 15.8714** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.6844, 15.2962, 19.9479**, and the grayscale version is **16.5978, 17.4622, 19.0163**.

A 20% lighter version of the original color is **37.0166, 39.1762, 37.0633**, and **5.4294, 5.7793, 4.8323** is the 20% darker color. If you saturate the color by 10%, you get **15.6050, 16.5504, 12.7282**, and if you desaturate by 10%, it is **17.5775, 18.5190, 19.4780**.

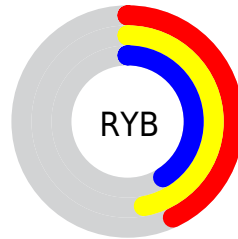
Distribution



Red (47%)

Green (45%)

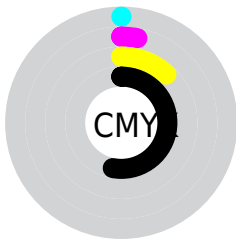
Blue (41%)



Red (43%)

Yellow (47%)

Blue (41%)

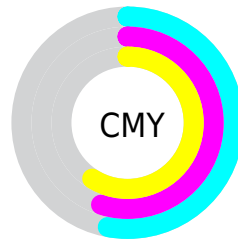


Cyan (0%)

Magenta (3%)

Yellow (12%)

Black (53%)



Cyan (53%)

Magenta (55%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5409, 17.5038, 15.8714 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 16.5409, 17.5038, 15.8714 by changing the saturation by 10% instead.

■ 16.5409, 17.5038,
15.8714

■ 16.5409, 17.5038,
15.8714

225.7208,
238.0591, 240.4014

■ 10.0010, 10.5943,
9.2798

■ 37.0846, 39.1900,
37.1385

■ 5.4619, 5.7948,
4.8249

■ 51.8192, 54.7355,
52.6511

■ 2.5582, 2.7207,
2.0879

■ 70.0159, 73.9284,
71.9744

■ 0.9247, 0.9877,
0.6086

■ 92.0403, 97.1533,
95.5271

■ 0.0000, 0.0000,
0.0000

118.2576,
124.7944, 123.7276

149.0332,

157.2361, 156.9944

184.7325,
194.8629, 195.7462

■ 16.5409, 17.5038,
15.8714

■ 16.5409, 17.5038,
15.8714

■ 15.6050, 16.5504,
12.7282

■ 17.5775, 18.5190,
19.4780

■ 14.7647, 15.6546,
10.0282

■ 18.7168, 19.5952,
23.5650

■ 14.0164, 14.8156,
7.7513

■ 19.9629, 20.7348,
28.1498

■ 13.3557, 14.0314,
5.8754

■ 21.3187, 21.9393,
33.2485

■ 12.7780, 13.2998,
4.3764

■ 22.7875, 23.2100,
38.8768

■ 12.2781, 12.6186,
3.2274

■ 24.3721, 24.5482,
45.0493

■ 11.8501, 11.9852,
2.3983

■ 26.0752, 25.9554,
51.7803

■ 11.4869, 11.3966,
1.8528

■ 27.8998, 27.4327,
59.0836

■ 11.2374, 10.9764,
1.5264

■ 29.8483, 28.9815,
66.9724

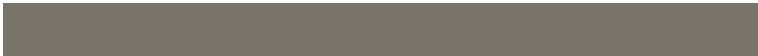
Harmonies

Analogous

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



17.1495, 17.5038, 16.1525



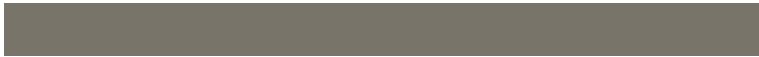
16.5409, 17.5038, 15.8714



15.9719, 17.5038, 16.4002

Triad

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



16.5409, 17.5038, 15.8714



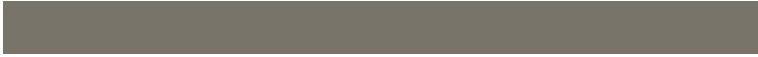
15.6807, 17.5038, 21.0547



17.7312, 17.5038, 20.5493

Complementary

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



16.5409, 17.5038, 15.8714



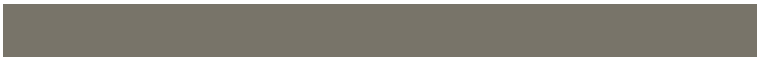
14.6844, 15.2962, 19.9479

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.



17.3199, 17.5038, 21.9899



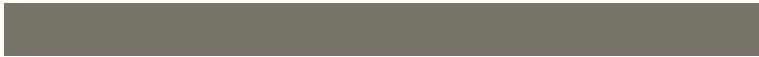
16.5409, 17.5038, 15.8714



16.1345, 17.5038, 22.2941

Square

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



16.5409, 17.5038, 15.8714



15.4831, 17.5038, 19.3353



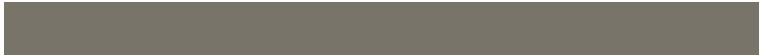
16.7331, 17.5038, 22.6464



17.8465, 17.5038, 18.7847

Rectangle

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



16.5409, 17.5038, 15.8714



15.6886, 17.5038, 17.1613



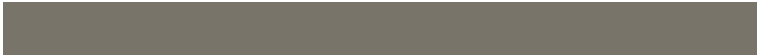
16.7331, 17.5038, 22.6464



17.6225, 17.5038, 21.0909

Sweetspot

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



16.5414, 17.5046, 15.8718



30.6122, 32.2791, 33.1883



15.5578, 15.2006, 16.5822



7.2261, 7.6221, 7.7645



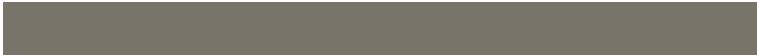
59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.5414, 17.5046, 15.8718



28.6033, 30.2953, 26.2479



16.5355, 18.2003, 16.0064



4.2217, 4.4618, 4.2632



12.2474, 11.9508, 1.6612



57.6947, 55.5528, 7.6819

Inverse Universe

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



14.6844, 15.2962, 19.9479



24.6635, 25.6102, 34.8964



14.6873, 14.6791, 19.8286



3.8765, 4.0513, 5.0208



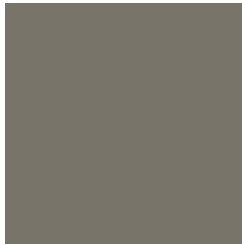
4.2506, 2.5836, 19.6599



19.6654, 11.1033, 93.5765

Previews

White Background



This preview shows how the XYZ color 16.5409, 17.5038, 15.8714 looks on a white background.

Color Contrast Check

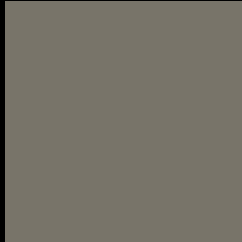
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5409, 17.5038, 15.8714 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

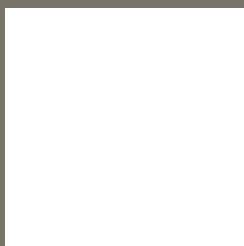
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.5409, 17.5038, 15.8714

Background



This preview shows how black text looks on a background with the XYZ color 16.5409, 17.5038, 15.8714.

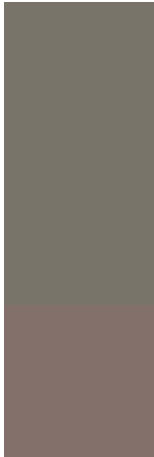


This preview shows how white text looks on a background with the XYZ color 16.5409, 17.5038,

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

16.5409, 17.5038, 15.8714

Protanopia

16.6804, 17.5757, 15.8779

Deuteranopia

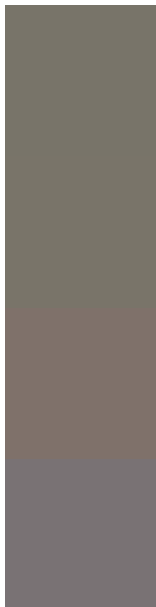
17.7558, 17.4542, 16.0688



Tritanopia

17.4440, 17.3530, 20.8424

Trichromacy



Original Color

16.5409, 17.5038, 15.8714

Protanomaly

16.6804, 17.5757, 15.8779

Deuteranomaly

17.2590, 17.3629, 16.0774

Tritanomaly

17.0549, 17.3605, 18.9750

Monochromacy



Original Color

16.5409, 17.5038, 15.8714

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.5061, 17.4425, 17.8260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5409, 17.5038, 15.8714 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(120, 116, 105)` looks like.

```
.text, #text, p{  
    color:rgb(120, 116, 105)  
}
```

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(120, 116, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 116, 105) }
```

Border

The CSS property to change the border of an element to XYZ 16.5409, 17.5038, 15.8714 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(120, 116, 105) }
```


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

```
.border{ border-color:rgb(120, 116, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 116, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 116, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 116, 105);  
box-shadow:4px 4px 4px 4px rgb(120, 116,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5409, 17.5038, 15.8714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 116, 105) }
```

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

```
.background{ background-color: rgb(120,  
116, 105) }
```

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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