

Converting Colors

XYZ(15.8125, 17.1443, 15.2941)

Have a look what the booklet for
XYZ(15.8125, 17.1443, 15.2941)
contains.

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Color

**XYZ(15.7638, 17.1149,
15.3046)**

Conversions

Conversions Part 1

Format	Color
Hex	737467
RGB	115, 116, 103
RGB Percent	45%, 45%, 40%
CMY	0.5490, 0.5451, 0.5961
CMYK	0.01, 0.00, 0.11, 0.55
HSL	65°, 6%, 43%
HSV	65°, 11%, 45%
XYZ	15.7638, 17.1149, 15.3046
YIQ	114.2190, 3.5770, -4.2550

Conversions

Conversions Part 2

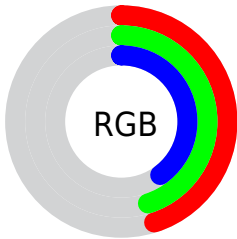
Format	Color
R_{YB}	103, 116, 104
Decimal	7566439
CIE Lab	48.40, -2.89, 7.05
CIE LCh	48, 7.624, 112.304
Yxy	17.1149, 0.3272, 0.3552
Android (android.graphics.Color)	4285756519 (0xFF737467)
YUV	114.2190, -5.5310, 0.6849
Hunter-Lab	41.3702, -4.3816, 7.0252

Details

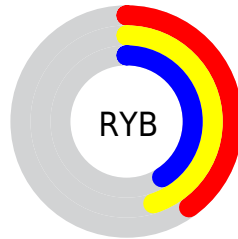
The XYZ color **15.7638, 17.1149, 15.3046** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.7122, 13.9049, 18.4851**, and the grayscale version is **16.0757, 16.9129, 18.4181**.

A 20% lighter version of the original color is **35.7717, 38.5538, 36.1281**, and **5.0957, 5.6131, 4.5562** is the 20% darker color. If you saturate the color by 10%, you get **15.1046, 16.8383, 12.4424**, and if you desaturate by 10%, it is **16.5058, 17.4259, 18.5932**.

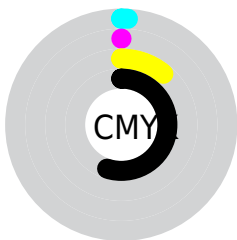
Distribution



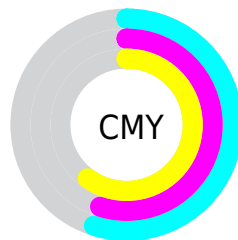
- Red (45%)
- Green (45%)
- Blue (40%)



- Red (40%)
- Yellow (45%)
- Blue (41%)



- Cyan (1%)
- Magenta (0%)
- Yellow (11%)
- Black (55%)



- Cyan (55%)
- Magenta (55%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7638, 17.1149, 15.3046 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 15.7638, 17.1149, 15.3046 by changing the saturation by 10% instead.

■ 15.7638, 17.1149,
15.3046

■ 15.7638, 17.1149,
15.3046

221.2418,
235.8336, 236.9065

■ 9.4470, 10.3164,
8.8844

■ 35.7484, 38.5232,
36.1365

■ 5.0933, 5.6093,
4.5701

■ 50.1469, 53.9019,
51.3853

■ 2.3374, 2.6090,
1.9430

■ 67.9700, 72.9094,
70.4141

■ 0.8137, 0.9312,
0.5199

■ 89.5830, 95.9302,
93.6414

■ 0.0000, 0.0000,
0.0000

115.3514,
123.3486, 121.4857

145.6404,

155.5490, 154.3657

180.8154,
192.9159, 192.6998

■ 15.7638, 17.1149,
15.3046

■ 15.7638, 17.1149,
15.3046

■ 15.1046, 16.8383,
12.4424

■ 16.5058, 17.4259,
18.5932

■ 14.5236, 16.5925,
9.9880

■ 17.3325, 17.7704,
22.3234

■ 14.0178, 16.3769,
7.9231

■ 18.2472, 18.1502,
26.5112

■ 13.5832, 16.1899,
6.2278

■ 19.2527, 18.5664,
31.1713

■ 13.2157, 16.0299,
4.8801

■ 20.3518, 19.0203,
36.3179

■ 12.9108, 15.8951,
3.8559

■ 21.5469, 19.5126,
41.9646

■ 12.6633, 15.7833,
3.1280

■ 22.8406, 20.0446,
48.1242

■ 12.4671, 15.6923,
2.6647

■ 24.2353, 20.6170,
54.8094

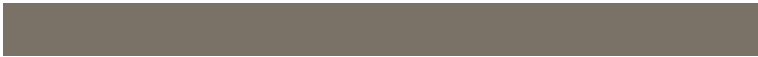
■ 12.3162, 15.6209,
2.3660

■ 25.7333, 21.2309,
62.0322

Harmonies

Analogous

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



16.4474, 17.1149, 15.0841



15.7638, 17.1149, 15.3046



15.2295, 17.1149, 16.3852

Triad

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



15.7638, 17.1149, 15.3046



15.4613, 17.1149, 21.8406



17.6319, 17.1149, 19.1540

Complementary

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



15.7638, 17.1149, 15.3046



13.7122, 13.9049, 18.4851

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.



17.3510, 17.1149, 21.0824



15.7638, 17.1149, 15.3046



16.0884, 17.1149, 22.7040

Square

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



15.7638, 17.1149, 15.3046



15.0584, 17.1149, 20.1303



16.7812, 17.1149, 22.4170



17.5390, 17.1149, 17.2160

Rectangle

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



15.7638, 17.1149, 15.3046



15.0234, 17.1149, 17.4926



16.7812, 17.1149, 22.4170



17.5778, 17.1149, 19.8266

Sweetspot

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



15.7643, 17.1156, 15.3050



28.7581, 30.5236, 31.5442



14.5881, 14.5665, 14.8749



6.8378, 7.2723, 7.4234



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.



15.7643, 17.1156, 15.3050



27.4515, 29.9764, 25.7734



14.9558, 16.6989, 15.2671



3.9401, 4.2526, 3.9555



13.8140, 17.5257, 2.6547



66.9907, 85.2367, 12.9216

Inverse Universe

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



13.7122, 13.9049, 18.4851



23.2214, 23.3578, 32.3291



14.4793, 14.3004, 18.5210



3.5244, 3.6021, 4.5998



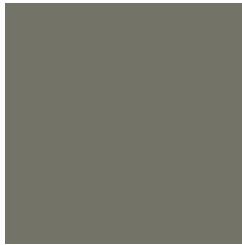
3.6558, 1.4760, 18.6348



17.5135, 7.0370, 90.7955

Previews

White Background



This preview shows how the XYZ color 15.7638, 17.1149, 15.3046 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 15.7638, 17.1149, 15.3046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

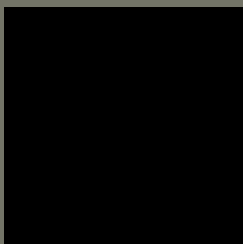
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

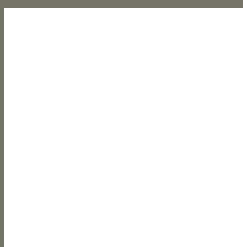
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.7638, 17.1149, 15.3046

Background



This preview shows how black text looks on a background with the XYZ color 15.7638, 17.1149, 15.3046.

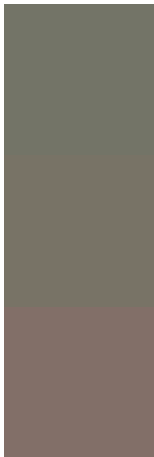


This preview shows how white text looks on a background with the XYZ color 15.7638, 17.1149,

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

15.7638, 17.1149, 15.3046

Protanopia

16.2747, 17.2138, 15.0352

Deuteranopia

17.3891, 17.1142, 15.4836



Tritanopia

16.8892, 17.0669, 20.8164

Trichromacy



Original Color

15.7638, 17.1149, 15.3046

Protanomaly

16.0002, 17.0723, 15.0224

Deuteranomaly

16.8613, 17.1697, 15.5221

Tritanomaly

16.4479, 17.0543, 18.6446

Monochromacy



Original Color

15.7638, 17.1149, 15.3046

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.8846, 16.9647, 17.1891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7638, 17.1149, 15.3046 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(115, 116, 103)` looks like.

```
.text, #text, p{  
    color:rgb(115, 116, 103)  
}
```

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(115, 116, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 116, 103) }
```

Border

The CSS property to change the border of an element to XYZ 15.7638, 17.1149, 15.3046 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(115, 116, 103) }
```


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

```
.border{ border-color:rgb(115, 116, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 116, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 116, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 116, 103);  
box-shadow:4px 4px 4px 4px rgb(115, 116,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7638, 17.1149, 15.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 116, 103) }
```

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

```
.background{ background-color: rgb(115,  
116, 103) }
```

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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