

Converting Colors

XYZ(15.3137, 17.1721, 16.4454)

Have a look what the booklet for
XYZ(15.3137, 17.1721, 16.4454)
contains.

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Color

**XYZ(15.3166, 17.2065,
16.4238)**

Conversions

Conversions Part 1

Format	Color
Hex	6C766B
RGB	108, 118, 107
RGB Percent	42%, 46%, 42%
CMY	0.5765, 0.5372, 0.5804
CMYK	0.08, 0.00, 0.09, 0.54
HSL	115°, 5%, 44%
HSV	115°, 9%, 46%
XYZ	15.3166, 17.2065, 16.4238
YIQ	113.7560, -2.4290, -5.5410

Conversions

Conversions Part 2

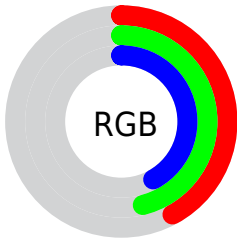
Format	Color
RYB	107, 118, 117
Decimal	7108203
CIELab	48.52, -6.01, 4.78
CIELCh	49, 7.677, 141.528
Yxy	17.2065, 0.3129, 0.3515
Android (android.graphics.Color)	4285298283 (0xFF6C766B)
YUV	113.7560, -3.3307, -5.0480
Hunter-Lab	41.4807, -6.6808, 5.5613

Details

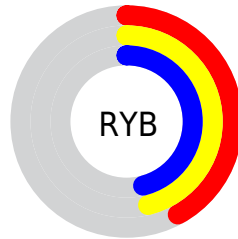
The XYZ color **15.3166, 17.2065, 16.4238** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.8644, 15.6057, 19.3164**, and the grayscale version is **15.9317, 16.7614, 18.2531**.

A 20% lighter version of the original color is **34.8444, 38.5890, 37.9597**, and **4.9302, 5.6987, 5.1151** is the 20% darker color. If you saturate the color by 10%, you get **13.5124, 16.3438, 13.3168**, and if you desaturate by 10%, it is **17.3671, 18.1874, 19.9854**.

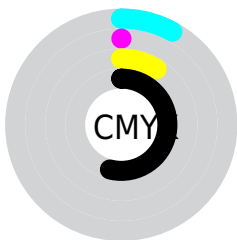
Distribution



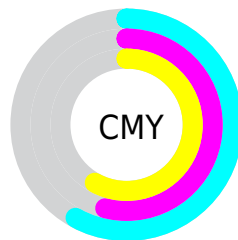
- Red (42%)
- Green (46%)
- Blue (42%)



- Red (42%)
- Yellow (46%)
- Blue (46%)



- Cyan (8%)
- Magenta (0%)
- Yellow (9%)
- Black (54%)



- Cyan (58%)
- Magenta (54%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3166, 17.2065, 16.4238 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 15.3166, 17.2065, 16.4238 by changing the saturation by 10% instead.

■ 15.3166, 17.2065,
16.4238

■ 15.3166, 17.2065,
16.4238

218.6252,
236.3596, 243.7602

■ 9.1296, 10.3818,
9.6669

■ 34.9748, 38.6805,
38.1094

■ 4.8836, 5.6529,
5.0760

■ 49.1767, 54.0986,
53.8752

■ 2.2132, 2.6352,
2.2324

■ 66.7809, 73.1499,
73.4810

■ 0.7497, 0.9444,
0.6930

■ 88.1529, 96.2190,
97.3455

■ 0.0000, 0.0000,
0.0000

113.6580,
123.6901, 125.8871

143.6615,

155.9476, 159.5244

178.5288,
193.3760, 198.6759

■ 15.3166, 17.2065,
16.4238

■ 15.3166, 17.2065,
16.4238

■ 13.5124, 16.3438,
13.3168

■ 17.3671, 18.1874,
19.9854

■ 11.9438, 15.5927,
10.6451

■ 19.6712, 19.2883,
24.0176

■ 10.6015, 14.9492,
8.3894

■ 22.2377, 20.5140,
28.5371

■ 9.4750, 14.4085,
6.5290

■ 25.0744, 21.8681,
33.5595

■ 8.5531, 13.9652,
5.0410

■ 28.1889, 23.3544,
39.0995

■ 7.8233, 13.6135,
3.9004

■ 31.5886, 24.9761,
45.1715

■ 7.2720, 13.3469,
3.0790

■ 35.2805, 26.7367,
51.7890

■ 6.8837, 13.1581,
2.5443

■ 39.2713, 28.6393,
58.9653

■ 6.6272, 13.0335,
2.1894

■ 43.5675, 30.6871,
66.7130

Harmonies

Analogous

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



15.8623, 17.2065, 15.3532



15.3166, 17.2065, 16.4238



15.0508, 17.2065, 18.1692

Triad

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



15.3166, 17.2065, 16.4238



16.1555, 17.2065, 22.8395



17.6469, 17.2065, 17.3473

Complementary

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



15.3166, 17.2065, 16.4238



15.8644, 15.6057, 19.3164

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.



17.7308, 17.2065, 19.3123



15.3166, 17.2065, 16.4238



16.8563, 17.2065, 22.5800

Square

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



15.3166, 17.2065, 16.4238



15.5260, 17.2065, 21.9390



17.4378, 17.2065, 21.2533



17.2115, 17.2065, 15.8591

Rectangle

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



15.3166, 17.2065, 16.4238



15.0627, 17.2065, 19.5209



17.4378, 17.2065, 21.2533



17.7176, 17.2065, 17.9704

Sweetspot

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



15.3171, 17.2072, 16.4242



29.1320, 31.3069, 32.6948



16.4754, 17.6131, 16.4415



6.6387, 7.1696, 7.4141



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.



15.3171, 17.2072, 16.4242



26.2789, 29.9426, 27.7504



15.4337, 17.2399, 17.6693



3.6687, 4.1127, 3.9428



7.1484, 14.0895, 2.3428



34.5014, 68.4879, 11.4011

Inverse Universe

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



15.8644, 15.6057, 19.3164



27.4278, 26.5805, 33.8219



15.7440, 15.5732, 17.9772



3.7954, 3.7418, 4.6124



10.1278, 4.8124, 18.9377



48.9764, 23.2567, 92.2679

Previews

White Background



This preview shows how the XYZ color 15.3166, 17.2065, 16.4238 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 15.3166, 17.2065, 16.4238 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

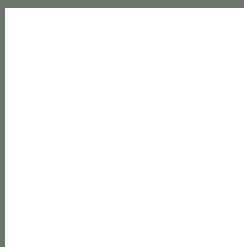
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.3166, 17.2065, 16.4238

Background



This preview shows how black text looks on a background with the XYZ color 15.3166, 17.2065, 16.4238.

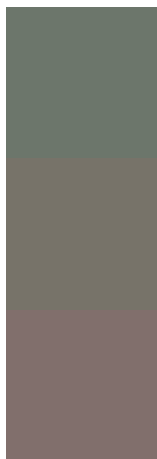


This preview shows how white text looks on a background with the XYZ color 15.3166, 17.2065,

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

15.3166, 17.2065, 16.4238

Protanopia

16.2883, 17.2033, 15.8267

Deuteranopia

17.4445, 17.1187, 16.5722



Tritanopia

16.3879, 17.1216, 21.8431

Trichromacy



Original Color

15.3166, 17.2065, 16.4238

Protanomaly

15.9171, 17.1762, 16.1121

Deuteranomaly

16.6092, 17.1823, 16.6285

Tritanomaly

15.9458, 17.1138, 19.6024

Monochromacy



Original Color

15.3166, 17.2065, 16.4238

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.6821, 16.8539, 17.4655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3166, 17.2065, 16.4238 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(108, 118, 107)` looks like.

```
.text, #text, p{  
    color:rgb(108, 118, 107)  
}
```

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(108, 118, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 118, 107) }
```

Border

The CSS property to change the border of an element to XYZ 15.3166, 17.2065, 16.4238 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(108, 118, 107) }
```


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

```
.border{ border-color:rgb(108, 118, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 118, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 118, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 118, 107);  
box-shadow:4px 4px 4px 4px rgb(108, 118,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3166, 17.2065, 16.4238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 118, 107) }
```

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

```
.background{ background-color: rgb(108,  
118, 107) }
```

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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