

Converting Colors

XYZ(16.1644, 17.4918, 13.5628)

Have a look what the booklet for
XYZ(16.1644, 17.4918, 13.5628)
contains.

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Color

**XYZ(16.2183, 17.5602,
13.6010)**

Conversions

Conversions Part 1

Format	Color
Hex	787560
RGB	120, 117, 96
RGB Percent	47%, 46%, 38%
CMY	0.5294, 0.5412, 0.6235
CMYK	0.00, 0.02, 0.20, 0.53
HSL	53°, 11%, 42%
HSV	53°, 20%, 47%
XYZ	16.2183, 17.5602, 13.6010
YIQ	115.5030, 8.5290, -5.8950

Conversions

Conversions Part 2

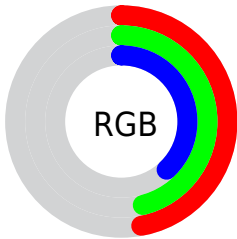
Format	Color
RYB	99, 120, 96
Decimal	7894368
CIELab	48.96, -2.67, 12.02
CIELCh	49, 12.312, 102.503
Yxy	17.5602, 0.3423, 0.3706
Android (android.graphics.Color)	4286084448 (0xFF787560)
YUV	115.5030, -9.6150, 3.9439
Hunter-Lab	41.9049, -4.2493, 10.0898

Details

The XYZ color **16.2183, 17.5602, 13.6010** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6757, 12.7661, 19.5653**, and the grayscale version is **16.4755, 17.3335, 18.8762**.

A 20% lighter version of the original color is **36.4677, 39.2532, 33.2583**, and **5.3024, 5.8261, 3.8627** is the 20% darker color. If you saturate the color by 10%, you get **15.5345, 17.0102, 10.8523**, and if you desaturate by 10%, it is **16.9902, 18.1511, 16.7957**.

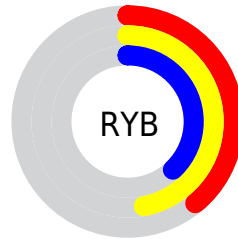
Distribution



Red (47%)

Green (46%)

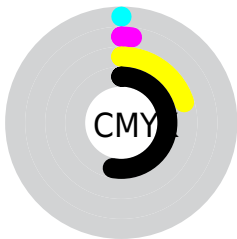
Blue (38%)



Red (39%)

Yellow (47%)

Blue (38%)

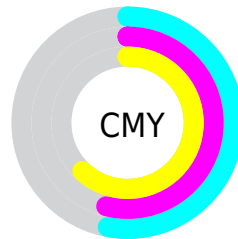


Cyan (0%)

Magenta (2%)

Yellow (20%)

Black (53%)



Cyan (53%)

Magenta (54%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2183, 17.5602, 13.6010 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 16.2183, 17.5602, 13.6010 by changing the saturation by 10% instead.

■ 16.2183, 17.5602,
13.6010

■ 16.2183, 17.5602,
13.6010

223.8716,
238.3803, 226.0758

■ 9.7706, 10.6347,
7.7081

■ 36.5312, 39.2865,
33.0862

■ 5.3082, 5.8218,
3.8237

■ 51.1270, 54.8560,
47.5157

■ 2.4658, 2.7370,
1.5291

■ 69.1696, 74.0758,
65.6277

■ 0.8781, 0.9960,
0.2395

■ 91.0244, 97.3300,
87.8409

■ 0.0000, 0.0000,
0.0000

117.0566,
125.0032, 114.5737

147.6316,

157.4797, 146.2448

183.1148,
195.1439, 183.2726

■ 16.2183, 17.5602,
13.6010

■ 16.2183, 17.5602,
13.6010

■ 15.5345, 17.0102,
10.8523

■ 16.9902, 18.1511,
16.7957

■ 14.9335, 16.4971,
8.5283

■ 17.8524, 18.7821,
20.4540

■ 14.4118, 16.0202,
6.6077

■ 18.8087, 19.4552,
24.5941

■ 13.9648, 15.5776,
5.0672

■ 19.8624, 20.1718,
29.2326

■ 13.5876, 15.1673,
3.8806

■ 21.0164, 20.9330,
34.3857

■ 13.2746, 14.7870,
3.0187

■ 22.2737, 21.7402,
40.0686

■ 13.0194, 14.4342,
2.4478

■ 23.6370, 22.5944,
46.2959

■ 12.7990, 14.0997,
2.0470

■ 25.1091, 23.4967,
53.0816

■ 12.7990, 14.0997,
2.0469

■ 26.6926, 24.4481,
60.4394

Harmonies

Analogous

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



17.3612, 17.5602, 13.7146



16.2183, 17.5602, 13.6010



15.2466, 17.5602, 14.8379

Triad

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



16.2183, 17.5602, 13.6010



15.1193, 17.5602, 23.7046



18.8796, 17.5602, 21.0792

Complementary

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



16.2183, 17.5602, 13.6010



12.6757, 12.7661, 19.5653

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.



18.2227, 17.5602, 24.1558



16.2183, 17.5602, 13.6010



16.0372, 17.5602, 25.7866

Square

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



16.2183, 17.5602, 13.6010



14.6319, 17.5602, 20.5180



17.1717, 17.5602, 25.9606



18.9336, 17.5602, 17.7872

Rectangle

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



16.2183, 17.5602, 13.6010



14.8126, 17.5602, 16.3540



17.1717, 17.5602, 25.9606



18.7207, 17.5602, 22.1817

Sweetspot

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



16.2188, 17.5610, 13.6014



30.4478, 32.3436, 31.9209



14.1904, 13.2637, 13.6670



7.1984, 7.6523, 7.4911



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.



16.2188, 17.5610, 13.6014



27.9551, 30.4337, 21.6085



15.4086, 17.6700, 13.6651



4.2671, 4.5526, 4.2783



13.9561, 15.3681, 2.2308



66.1459, 72.4554, 10.4990

Inverse Universe

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



12.6757, 12.7661, 19.5653



20.5315, 20.3879, 34.1062



13.3754, 12.7132, 19.5182



3.8343, 3.9668, 5.0068



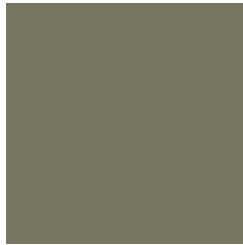
3.8779, 1.8383, 19.5357



18.1458, 8.0642, 93.0699

Previews

White Background



This preview shows how the XYZ color 16.2183, 17.5602, 13.6010 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 16.2183, 17.5602, 13.6010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

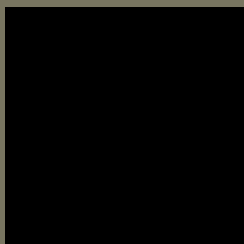
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.2183, 17.5602, 13.6010

Background



This preview shows how black text looks on a background with the XYZ color 16.2183, 17.5602, 13.6010.



This preview shows how white text looks on a background with the XYZ color 16.2183, 17.5602,

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

16.2183, 17.5602, 13.6010

Protanopia

16.5251, 17.5463, 13.5821

Deuteranopia

17.7834, 17.5197, 13.7536



Tritanopia

17.5864, 17.4263, 20.8491

Trichromacy



Original Color

16.2183, 17.5602, 13.6010

Protanomaly

16.3828, 17.4729, 13.5755

Deuteranomaly

17.2282, 17.5648, 13.7916

Tritanomaly

17.0240, 17.3645, 18.0772

Monochromacy



Original Color

16.2183, 17.5602, 13.6010

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.3418, 17.3768, 16.9608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2183, 17.5602, 13.6010 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, 117, 96)` looks like.

```
.text, #text, p{  
    color:rgb(120, 117, 96)  
}
```

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, 117, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 117, 96) }
```

Border

The CSS property to change the border of an element to XYZ 16.2183, 17.5602, 13.6010 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, 117, 96) }
```


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

```
.border{ border-color:rgb(120, 117, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 117, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 117, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 117, 96);  
box-shadow:4px 4px 4px 4px rgb(120, 117,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2183, 17.5602, 13.6010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 117, 96) }
```

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

```
.background{ background-color: rgb(120,  
117, 96) }
```

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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