

Converting Colors

XYZ(17.6677, 20.8852, 15.4120)

Have a look what the booklet for
XYZ(17.6677, 20.8852, 15.4120)
contains.

XYZ(17.6677, 20.8852, 15.4120)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.6677, 20.8852,
15.4120)**

Conversions

Conversions Part 1

Format	Color
Hex	748365
RGB	116, 131, 101
RGB Percent	45%, 51%, 40%
CMY	0.5451, 0.4863, 0.6039
CMYK	0.11, 0.00, 0.23, 0.49
HSL	90°, 13%, 45%
HSV	90°, 23%, 51%
XYZ	17.6677, 20.8852, 15.4120
YIQ	123.0950, 0.6900, -12.5100

Conversions

Conversions Part 2

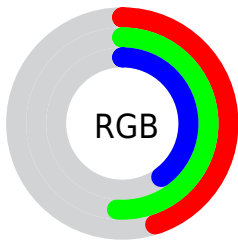
Format	Color
RYB	101, 131, 116
Decimal	7635813
CIELab	52.82, -11.30, 14.43
CIElCh	53, 18.328, 128.062
Yxy	20.8852, 0.3274, 0.3870
Android (android.graphics.Color)	4285825893 (0xFF748365)
YUV	123.0950, -10.8928, -6.2223
Hunter-Lab	45.7003, -10.9677, 11.9952

Details

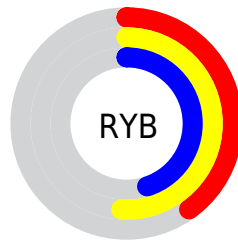
The XYZ color **17.6677, 20.8852, 15.4120** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.9538, 14.6597, 23.4626**, and the grayscale version is **18.8932, 19.8771, 21.6462**.

A 20% lighter version of the original color is **38.9564, 44.8728, 36.3139**, and **6.0670, 7.5299, 4.6237** is the 20% darker color. If you saturate the color by 10%, you get **16.2362, 20.2162, 12.2574**, and if you desaturate by 10%, it is **19.2641, 21.6286, 19.1093**.

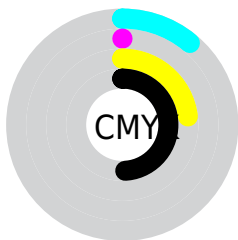
Distribution



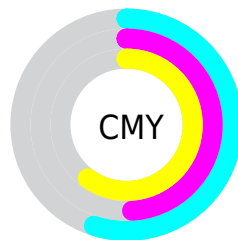
- Red (45%)
- Green (51%)
- Blue (40%)



- Red (40%)
- Yellow (51%)
- Blue (45%)



- Cyan (11%)
- Magenta (0%)
- Yellow (23%)
- Black (49%)



- Cyan (55%)
- Magenta (49%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6677, 20.8852, 15.4120 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 17.6677, 20.8852, 15.4120 by changing the saturation by 10% instead.

■ 17.6677, 20.8852,
15.4120

■ 17.6677, 20.8852,
15.4120

232.0733,
256.6678, 237.5726

■ 10.8099, 13.0401,
8.9592

■ 39.0048, 44.8964,
36.3268

■ 6.0055, 7.4562,
4.6181

■ 54.2149, 61.8313,
51.6259

■ 2.8891, 3.7490,
1.9702

■ 72.9397, 82.5649,
70.7109

■ 1.0954, 1.5342,
0.5369

■ 95.5447, 107.4817,
94.0003

■ 0.0213, 0.3126,
0.0000

122.3952,
136.9659, 121.9126

■ 0.0000, 0.0000,
0.0000

153.8565,

171.4021, 154.8664

190.2941,
211.1746, 193.2803

■ 17.6677, 20.8852,
15.4120

■ 17.6677, 20.8852,
15.4120

■ 16.2362, 20.2162,
12.2574

■ 19.2641, 21.6286,
19.1093

■ 14.9618, 19.6163,
9.6186

■ 21.0295, 22.4462,
23.3719

■ 13.8385, 19.0837,
7.4686

■ 22.9698, 23.3411,
28.2226

■ 12.8593, 18.6153,
5.7770

■ 25.0903, 24.3156,
33.6826

■ 12.0165, 18.2080,
4.5104

■ 27.3958, 25.3717,
39.7721

■ 11.3013, 17.8580,
3.6307

■ 29.8911, 26.5116,
46.5102

■ 10.7038, 17.5613,
3.0925

■ 32.5807, 27.7370,
53.9155

■ 10.3295, 17.3742,
2.8091

■ 35.4691, 29.0500,
62.0055

■ 38.5605, 30.4522,
70.7973

Harmonies

Analogous

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



19.3392, 20.8852, 13.8215



17.6677, 20.8852, 15.4120



16.6297, 20.8852, 19.0265

Triad

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



17.6677, 20.8852, 15.4120



18.5076, 20.8852, 33.9820



23.7211, 20.8852, 21.2944

Complementary

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



17.6677, 20.8852, 15.4120



15.9538, 14.6597, 23.4626

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.



23.4630, 20.8852, 26.9087



17.6677, 20.8852, 15.4120



20.3713, 20.8852, 34.8505

Square

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



17.6677, 20.8852, 15.4120



17.0925, 20.8852, 29.8751



22.2066, 20.8852, 32.0868



22.8908, 20.8852, 16.8430

Rectangle

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



17.6677, 20.8852, 15.4120



16.3959, 20.8852, 22.3860



22.2066, 20.8852, 32.0868



23.7597, 20.8852, 23.0986

Sweetspot

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



17.6682, 20.8861, 15.4125



36.2730, 39.5539, 38.4740



17.9553, 18.2565, 14.8898



8.4110, 9.1932, 8.8749



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



17.6682, 20.8861, 15.4125



30.3918, 36.8183, 24.8134



15.8327, 19.9399, 15.3266



4.8216, 5.3106, 5.0003



10.1703, 17.1029, 2.7652



0.0436, 0.0636, 0.0100

Inverse Universe

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



15.9538, 14.6597, 23.4626



26.8092, 23.8073, 41.6354



18.1113, 15.7719, 23.5636



4.6398, 4.6504, 5.8538



6.2149, 2.7380, 21.3376



0.0299, 0.0138, 0.0743

Previews

White Background



This preview shows how the XYZ color 17.6677, 20.8852, 15.4120 looks on a white 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

Black Background



This preview shows how the XYZ color 17.6677, 20.8852, 15.4120 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

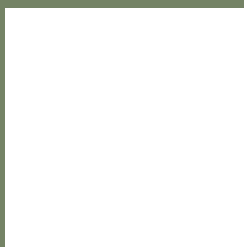
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.6677, 20.8852, 15.4120

Background



This preview shows how black text looks on a background with the XYZ color 17.6677, 20.8852, 15.4120.



This preview shows how white text looks on a background with the XYZ color 17.6677, 20.8852,

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

17.6677, 20.8852, 15.4120

Protanopia

19.5445, 20.8909, 14.8066

Deuteranopia

21.1396, 20.7650, 15.7258



Tritanopia

19.7899, 20.7642, 26.2574

Trichromacy



Original Color

17.6677, 20.8852, 15.4120

Protanomaly

18.7718, 20.8705, 15.0956

Deuteranomaly

19.7236, 20.7774, 15.5413

Tritanomaly

18.9021, 20.7903, 21.7556

Monochromacy



Original Color

17.6677, 20.8852, 15.4120

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.3011, 20.1526, 19.1449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6677, 20.8852, 15.4120 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(116, 131, 101)` looks like.

```
.text, #text, p{  
    color:rgb(116, 131, 101)  
}
```

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(116, 131, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 131, 101) }
```

Border

The CSS property to change the border of an element to XYZ 17.6677, 20.8852, 15.4120 is called "border". The border property can be set on classes, ids or directly on the HTML element.

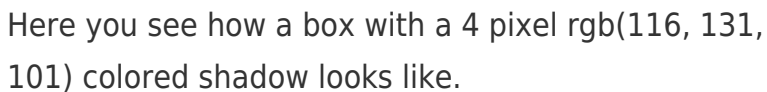
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 131, 101) }
```


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

```
.border{ border-color:rgb(116, 131, 101) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 131, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 131, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 131, 101);  
box-shadow:4px 4px 4px 4px rgb(116, 131,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6677, 20.8852, 15.4120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 131, 101) }
```

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

```
.background{ background-color: rgb(116,  
131, 101) }
```

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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