

Converting Colors

XYZ(17.7021, 20.9595, 15.7061)

Have a look what the booklet for
XYZ(17.7021, 20.9595, 15.7061)
contains.

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Color

**XYZ(17.7170, 20.9049,
15.6716)**

Conversions

Conversions Part 1

Format	Color
Hex	748366
RGB	116, 131, 102
RGB Percent	45%, 51%, 40%
CMY	0.5451, 0.4863, 0.6000
CMYK	0.11, 0.00, 0.22, 0.49
HSL	91°, 12%, 46%
HSV	91°, 22%, 51%
XYZ	17.7170, 20.9049, 15.6716
YIQ	123.2090, 0.3690, -12.1990

Conversions

Conversions Part 2

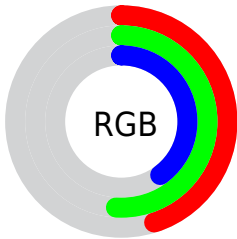
Format	Color
R_{YB}	102, 131, 117
Decimal	7635814
CIE _{Lab}	52.85, -11.13, 13.89
CIE _{LCh}	53, 17.794, 128.707
Yxy	20.9049, 0.3263, 0.3850
Android (android.graphics.Color)	4285825894 (0xFF748366)
YUV	123.2090, -10.4560, -6.3223
Hunter-Lab	45.7219, -10.8454, 11.6831

Details

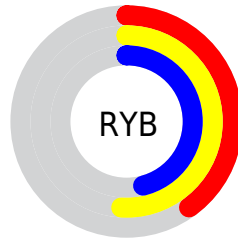
The XYZ color **17.7170, 20.9049, 15.6716** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.1851, 14.9239, 23.5014**, and the grayscale version is **18.9296, 19.9154, 21.6878**.

A 20% lighter version of the original color is **39.0387, 44.9057, 36.7471**, and **6.0908, 7.5394, 4.7487** is the 20% darker color. If you saturate the color by 10%, you get **16.2499, 20.2185, 12.4754**, and if you desaturate by 10%, it is **19.3536, 21.6681, 19.4126**.

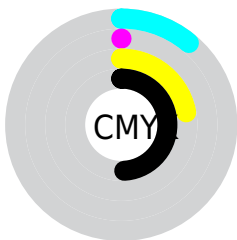
Distribution



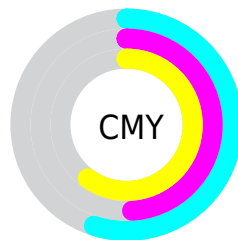
- Red (45%)
- Green (51%)
- Blue (40%)



- Red (40%)
- Yellow (51%)
- Blue (46%)



- Cyan (11%)
- Magenta (0%)
- Yellow (22%)
- Black (49%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7170, 20.9049, 15.6716 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 17.7170, 20.9049, 15.6716 by changing the saturation by 10% instead.

■ 17.7170, 20.9049,
15.6716

■ 17.7170, 20.9049,
15.6716

232.3476,
256.7727, 239.1752

■ 10.8455, 13.0545,
9.1402

■ 39.0884, 44.9292,
36.7860

■ 6.0295, 7.4661,
4.7347

■ 54.3189, 61.8719,
52.2060

■ 2.9039, 3.7553,
2.0365

■ 73.0665, 82.6142,
71.4261

■ 1.1031, 1.5376,
0.5776

■ 95.6965, 107.5404,
94.8647

■ 0.0277, 0.3150,
0.0000

122.5743,
137.0349, 122.9404

■ 0.0000, 0.0000,
0.0000

154.0651,

171.4822, 156.0717

190.5345,
211.2667, 194.6771

■ 17.7170, 20.9049,
15.6716

■ 17.7170, 20.9049,
15.6716

■ 16.2499, 20.2185,
12.4754

■ 19.3536, 21.6681,
19.4126

■ 14.9446, 19.6034,
9.7973

■ 21.1639, 22.5079,
23.7207

■ 13.7948, 19.0579,
7.6103

■ 23.1541, 23.4275,
28.6189

■ 12.7934, 18.5789,
5.8843

■ 25.3294, 24.4292,
34.1281

■ 11.9326, 18.1630,
4.5862

■ 27.6948, 25.5152,
40.2686

■ 11.2037, 17.8065,
3.6782

■ 30.2551, 26.6874,
47.0593

■ 10.5965, 17.5053,
3.1161

■ 33.0152, 27.9480,
54.5188

■ 10.1817, 17.2980,
2.8022

■ 35.9793, 29.2989,
62.6646

■ 39.1518, 30.7418,
71.5137

Harmonies

Analogous

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



19.3332, 20.9049, 14.0684



17.7170, 20.9049, 15.6716



16.7217, 20.9049, 19.2433

Triad

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



17.7170, 20.9049, 15.6716



18.5996, 20.9049, 33.6943



23.6163, 20.9049, 21.2470

Complementary

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



17.7170, 20.9049, 15.6716



16.1851, 14.9239, 23.5014

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.



23.3895, 20.9049, 26.6852



17.7170, 20.9049, 15.6716



20.4155, 20.9049, 34.4543

Square

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



17.7170, 20.9049, 15.6716



17.2087, 20.9049, 29.7824



22.1896, 20.9049, 31.7212



22.7913, 20.9049, 16.9417

Rectangle

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



17.7170, 20.9049, 15.6716



16.5059, 20.9049, 22.5318



22.1896, 20.9049, 31.7212



23.6615, 20.9049, 22.9936

Sweetspot

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



17.7176, 20.9058, 15.6721



36.2302, 39.5319, 38.4720



18.1185, 18.5041, 15.1873



8.4004, 9.1877, 8.8744



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.



17.7176, 20.9058, 15.6721



30.2487, 36.7446, 24.8067



16.0187, 20.0272, 15.7181



4.8143, 5.3068, 4.9999



10.0248, 17.0279, 2.7584



0.0431, 0.0633, 0.0099

Inverse Universe

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



16.1851, 14.9239, 23.5014



26.9532, 23.8816, 41.6422



18.1763, 15.9542, 23.4240



4.6471, 4.6542, 5.8542



6.3663, 2.8161, 21.3447



0.0305, 0.0141, 0.0743

Previews

White Background



This preview shows how the XYZ color 17.7170, 20.9049, 15.6716 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 17.7170, 20.9049, 15.6716 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 17.7170, 20.9049, 15.6716

Background



This preview shows how black text looks on a background with the XYZ color 17.7170, 20.9049, 15.6716.



This preview shows how white text looks on a background with the XYZ color 17.7170, 20.9049,

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

17.7170, 20.9049, 15.6716

Protanopia

19.5926, 20.9101, 15.0600

Deuteranopia

21.1901, 20.7852, 15.9918



Tritanopia

19.7899, 20.7642, 26.2574

Trichromacy



Original Color

17.7170, 20.9049, 15.6716

Protanomaly

18.8205, 20.8900, 15.3521

Deuteranomaly

19.7735, 20.7974, 15.8041

Tritanomaly

18.9650, 20.8155, 22.0870

Monochromacy



Original Color

17.7170, 20.9049, 15.6716

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 17.7170, 20.9049, 15.6716 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(116, 131, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 131, 102) }
```

Border

The CSS property to change the border of an element to XYZ 17.7170, 20.9049, 15.6716 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, 102) }
```


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

```
.border{ border-color:rgb(116, 131, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 131, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 131, 102);  
box-shadow:4px 4px 4px 4px rgb(116, 131,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7170, 20.9049, 15.6716 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, 102) }
```

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

```
.background{ background-color: rgb(116,  
131, 102) }
```

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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