

Converting Colors

XYZ(17.6314, 19.1029, 20.4890)

Have a look what the booklet for
XYZ(17.6314, 19.1029, 20.4890)
contains.

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Color

**XYZ(17.5522, 18.9881,
20.5093)**

Conversions

Conversions Part 1

Format	Color
Hex	747A78
RGB	116, 122, 120
RGB Percent	45%, 48%, 47%
CMY	0.5451, 0.5216, 0.5294
CMYK	0.05, 0.00, 0.02, 0.52
HSL	160°, 3%, 47%
HSV	160°, 5%, 48%
XYZ	17.5522, 18.9881, 20.5093
YIQ	119.9780, -2.9340, -1.8940

Conversions

Conversions Part 2

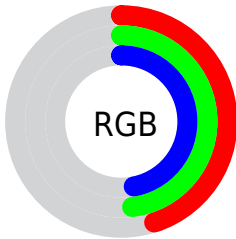
Format	Color
R_{YB}	116, 120, 122
Decimal	7633528
CIE Lab	50.67, -2.65, 0.31
CIE LCh	51, 2.672, 173.390
Yxy	18.9881, 0.3077, 0.3328
Android (android.graphics.Color)	4285823608 (0xFF747A78)
YUV	119.9780, 0.0108, -3.4887
Hunter-Lab	43.5753, -4.3568, 2.5971

Details

The XYZ color **17.5522, 18.9881, 20.5093** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.5422, 17.9370, 19.6781**, and the grayscale version is **17.8466, 18.7761, 20.4471**.

A 20% lighter version of the original color is **38.7309, 41.5755, 45.0133**, and **5.9361, 6.4619, 7.0653** is the 20% darker color. If you saturate the color by 10%, you get **15.7941, 18.1103, 19.1654**, and if you desaturate by 10%, it is **19.5349, 19.9816, 21.9193**.

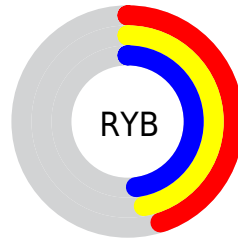
Distribution



Red (45%)

Green (48%)

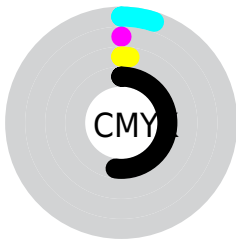
Blue (47%)



Red (45%)

Yellow (47%)

Blue (48%)

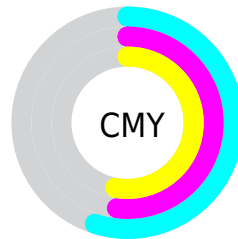


Cyan (5%)

Magenta (0%)

Yellow (2%)

Black (52%)



Cyan (55%)

Magenta (52%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5522, 18.9881, 20.5093 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 17.5522, 18.9881, 20.5093 by changing the saturation by 10% instead.

■ 17.5522, 18.9881,
20.5093

■ 17.5522, 18.9881,
20.5093

231.4295,
246.3831, 267.3539

■ 10.7267, 11.6617,
12.5781

■ 38.8089, 41.7140,
45.1396

■ 5.9493, 6.5137,
7.0114

■ 53.9708, 57.8822,
62.6757

■ 2.8546, 3.1599,
3.3906

■ 72.6422, 77.7666,
84.2505

■ 1.0774, 1.2158,
1.2974

95.1885, 101.7514,
110.2825

■ 0.0061, 0.0745,
0.0597

121.9750,
130.2210, 141.1903

■ 0.0000, 0.0000,
0.0000

153.3671,

163.5599, 177.3925

189.7302,
202.1525, 219.3075

■ 17.5522, 18.9881,
20.5093

■ 17.5522, 18.9881,
20.5093

■ 15.7941, 18.1103,
19.1654

■ 19.5349, 19.9816,
21.9193

■ 14.2507, 17.3413,
17.8852

■ 21.7484, 21.0923,
23.3952

■ 12.9135, 16.6775,
16.6682

■ 24.2009, 22.3250,
24.9384

■ 11.7730, 16.1140,
15.5131

■ 26.8996, 23.6834,
26.5499

■ 10.8190, 15.6454,
14.4188

■ 29.8512, 25.1709,
28.2306

■ 10.0400, 15.2659,
13.3839

■ 33.0625, 26.7909,
29.9814

■ 9.4236, 14.9691,
12.4073

■ 36.5397, 28.5467,
31.8033

■ 8.9555, 14.7476,
11.4874

■ 40.2889, 30.4415,
33.6971

■ 8.6134, 14.5901,
10.6224

■ 44.3162, 32.4783,
35.6637

Harmonies

Analogous

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



17.6466, 18.9881, 19.8269



17.5522, 18.9881, 20.5093



17.5895, 18.9881, 21.2524

Triad

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



17.5522, 18.9881, 20.5093



18.2482, 18.9881, 22.0264



18.3495, 18.9881, 19.5391

Complementary

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



17.5522, 18.9881, 20.5093



17.5422, 17.9370, 19.6781

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.



18.5136, 18.9881, 20.1078



17.5522, 18.9881, 20.5093



18.4547, 18.9881, 21.5465

Square

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



17.5522, 18.9881, 20.5093



17.9897, 18.9881, 22.1402



18.5523, 18.9881, 20.8412



18.1056, 18.9881, 19.2756

Rectangle

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



17.5522, 18.9881, 20.5093



17.6843, 18.9881, 21.6810



18.5523, 18.9881, 20.8412



18.4159, 18.9881, 19.7002

Sweetspot

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



17.5527, 18.9889, 20.5097



32.1897, 34.0616, 37.0332



17.5974, 19.0394, 19.2709



7.3663, 7.7913, 8.4720



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.



17.5527, 18.9889, 20.5097



30.4791, 33.2056, 35.7851



17.5655, 18.8180, 21.1196



4.1716, 4.5501, 4.9017



8.8992, 15.2834, 10.7202



42.0429, 72.7402, 48.9913

Inverse Universe

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



17.5422, 17.9370, 19.6781



30.4560, 30.9119, 33.9719



17.5287, 18.0984, 19.0929



4.1683, 4.2254, 4.6450



8.8623, 4.5211, 2.5658



41.9162, 21.4228, 10.3549

Previews

White Background



This preview shows how the XYZ color 17.5522, 18.9881, 20.5093 looks on a white background.

Color Contrast Check

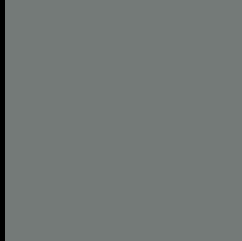
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5522, 18.9881, 20.5093 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

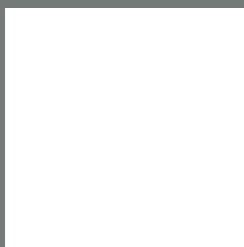
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.5522, 18.9881, 20.5093

Background



This preview shows how black text looks on a background with the XYZ color 17.5522, 18.9881, 20.5093.



This preview shows how white text looks on a background with the XYZ color 17.5522, 18.9881,

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

17.5522, 18.9881, 20.5093

Protanopia

18.2146, 18.9758, 20.1554

Deuteranopia

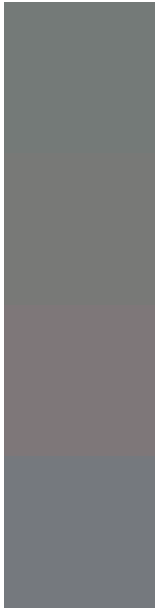
19.3282, 19.0086, 20.7395



Tritanopia

18.2169, 18.8962, 23.8063

Trichromacy



Original Color

17.5522, 18.9881, 20.5093

Protanomaly

17.9129, 18.9997, 20.1760

Deuteranomaly

18.6522, 19.0097, 20.7753

Tritanomaly

17.9394, 18.9630, 22.4534

Monochromacy



Original Color

17.5522, 18.9881, 20.5093

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.8353, 18.9527, 20.4875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5522, 18.9881, 20.5093 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, 122, 120)` looks like.

```
.text, #text, p{  
    color:rgb(116, 122, 120)  
}
```

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, 122, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 122, 120) }
```

Border

The CSS property to change the border of an element to XYZ 17.5522, 18.9881, 20.5093 is called "border". The border property can be set on classes, ids or directly on the HTML element.

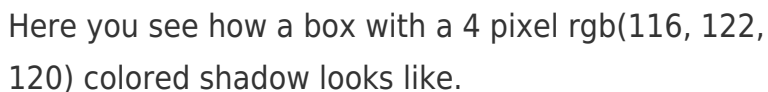
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 122, 120) }
```


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

```
.border{ border-color:rgb(116, 122, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 122, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 122, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 122, 120); box-shadow:4px 4px 4px 4px rgb(116, 122, 120) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5522, 18.9881, 20.5093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 122, 120) }
```

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

```
.background{ background-color: rgb(116,  
122, 120) }
```

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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