

Converting Colors

XYZ(17.7828, 20.1823, 18.7217)

Have a look what the booklet for
XYZ(17.7828, 20.1823, 18.7217)
contains.

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Color

**XYZ(17.7700, 20.2754,
18.5998)**

Conversions

Conversions Part 1

Format	Color
Hex	738071
RGB	115, 128, 113
RGB Percent	45%, 50%, 44%
CMY	0.5490, 0.4980, 0.5569
CMYK	0.10, 0.00, 0.12, 0.50
HSL	112°, 6%, 47%
HSV	112°, 12%, 50%
XYZ	17.7700, 20.2754, 18.5998
YIQ	122.4030, -2.9330, -7.4210

Conversions

Conversions Part 2

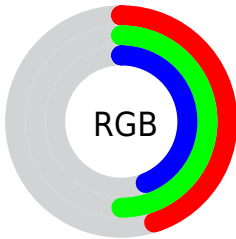
Format	Color
R_{YB}	113, 128, 126
Decimal	7569521
CIE Lab	52.15, -7.83, 6.52
CIE LCh	52, 10.194, 140.217
Yxy	20.2754, 0.3137, 0.3579
Android (android.graphics.Color)	4285759601 (0xFF738071)
YUV	122.4030, -4.6357, -6.4924
Hunter-Lab	45.0282, -8.3559, 7.0288

Details

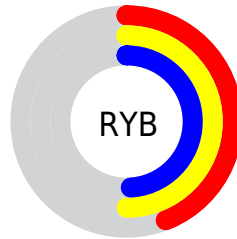
The XYZ color **17.7700, 20.2754, 18.5998** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.4065, 17.8050, 22.8897**, and the grayscale version is **18.6463, 19.6174, 21.3633**.

A 20% lighter version of the original color is **39.2518, 43.9798, 42.0175**, and **6.0649, 7.1669, 6.0647** is the 20% darker color. If you saturate the color by 10%, you get **15.7276, 19.3005, 15.0041**, and if you desaturate by 10%, it is **20.0908, 21.3832, 22.7400**.

Distribution



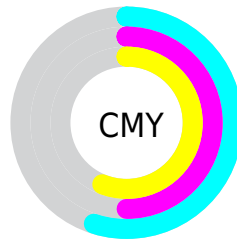
- Red (45%)
- Green (50%)
- Blue (44%)



- Red (44%)
- Yellow (50%)
- Blue (49%)



- Cyan (10%)
- Magenta (0%)
- Yellow (12%)
- Black (50%)



- Cyan (55%)
- Magenta (50%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7700, 20.2754, 18.5998 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 17.7700, 20.2754, 18.5998 by changing the saturation by 10% instead.

■ 17.7700, 20.2754,
18.5998

■ 17.7700, 20.2754,
18.5998

232.6422,
253.4021, 256.5791

■ 10.8837, 12.5954,
11.2076

■ 39.1782, 43.8784,
41.8844

■ 6.0554, 7.1505,
6.0907

■ 54.4307, 60.5702,
58.6139

■ 2.9198, 3.5564,
2.8306

■ 73.2028, 81.0348,
79.2928

■ 1.1115, 1.4287,
1.0088

■ 95.8596, 105.6564,
104.3399

■ 0.0347, 0.2377,
0.0000

122.7666,
134.8196, 134.1734

■ 0.0000, 0.0000,
0.0000

154.2891,

168.9087, 169.2122

190.7925,
208.3081, 209.8745

■ 17.7700, 20.2754,
18.5998

■ 17.7700, 20.2754,
18.5998

■ 15.7276, 19.3005,
15.0041

■ 20.0908, 21.3832,
22.7400

■ 13.9514, 18.4511,
11.9290

■ 22.6983, 22.6260,
27.4447

■ 12.4310, 17.7228,
9.3508

■ 25.6023, 24.0090,
32.7345

■ 11.1545, 17.1101,
7.2434

■ 28.8119, 25.5364,
38.6283

■ 10.1090, 16.6069,
5.5783

■ 32.3356, 27.2124,
45.1446

■ 9.2805, 16.2067,
4.3241

■ 36.1816, 29.0407,
52.3008

■ 8.6534, 15.9022,
3.4451

■ 40.3579, 31.0250,
60.1137

■ 8.2100, 15.6852,
2.8994

■ 44.8722, 33.1691,
68.5995

■ 7.9518, 15.5588,
2.5841

■ 49.7319, 35.4763,
77.7737

Harmonies

Analogous

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



18.5861, 20.2754, 17.1112



17.7700, 20.2754, 18.5998



17.3607, 20.2754, 21.1144

Triad

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



17.7700, 20.2754, 18.5998



18.9322, 20.2754, 28.2373



21.2160, 20.2754, 20.1496

Complementary

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



17.7700, 20.2754, 18.5998



18.4065, 17.8050, 22.8897

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.



21.3169, 20.2754, 23.0674



17.7700, 20.2754, 18.5998



19.9729, 20.2754, 27.9198

Square

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



17.7700, 20.2754, 18.5998



18.0155, 20.2754, 26.7934



20.8546, 20.2754, 25.9614



20.5838, 20.2754, 17.9484

Rectangle

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



17.7700, 20.2754, 18.5998



17.3632, 20.2754, 23.1115



20.8546, 20.2754, 25.9614



21.3140, 20.2754, 21.0728

Sweetspot

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



17.7706, 20.2763, 18.6002



34.3572, 37.1630, 38.2179



19.3444, 20.7041, 18.5999



7.9787, 8.6698, 8.8312



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



17.7706, 20.2763, 18.6002



30.3040, 35.2289, 31.0089



17.8297, 20.2699, 20.2691



4.3253, 4.8441, 4.6272



7.8851, 15.4273, 2.5622



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.4065, 17.8050, 22.8897



31.6485, 30.0030, 40.0794



18.3519, 17.8176, 21.0479



4.4436, 4.3843, 5.4253



10.3573, 4.8931, 20.6485



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.7700, 20.2754, 18.5998 looks on a white background.

Color Contrast Check

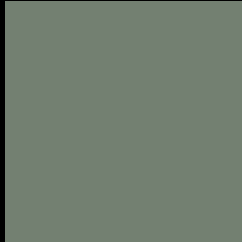
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7700, 20.2754, 18.5998 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 17.7700, 20.2754, 18.5998

Background



This preview shows how black text looks on a background with the XYZ color 17.7700, 20.2754, 18.5998.



This preview shows how white text looks on a background with the XYZ color 17.7700, 20.2754,

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

17.7700, 20.2754, 18.5998

Protanopia

19.2828, 20.3088, 17.9426

Deuteranopia

20.6262, 20.2462, 19.0404



Tritanopia

19.1780, 20.2681, 25.8230

Trichromacy



Original Color

17.7700, 20.2754, 18.5998

Protanomaly

18.7157, 20.1971, 18.2412

Deuteranomaly

19.4803, 20.2061, 18.7930

Tritanomaly

18.6277, 20.2359, 23.0028

Monochromacy



Original Color

17.7700, 20.2754, 18.5998

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.1452, 19.6692, 20.2929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7700, 20.2754, 18.5998 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(115, 128, 113)` looks like.

```
.text, #text, p{  
    color:rgb(115, 128, 113)  
}
```

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(115, 128, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 128, 113) }
```

Border

The CSS property to change the border of an element to XYZ 17.7700, 20.2754, 18.5998 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(115, 128, 113) }
```


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

```
.border{ border-color:rgb(115, 128, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 128, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 128, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 128, 113);  
box-shadow:4px 4px 4px 4px rgb(115, 128,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7700, 20.2754, 18.5998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 128, 113) }
```

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

```
.background{ background-color: rgb(115,  
128, 113) }
```

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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