

Converting Colors

XYZ(18.7707, 19.0655, 13.0466)

Have a look what the booklet for
XYZ(18.7707, 19.0655, 13.0466)
contains.

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Color

**XYZ(18.7707, 19.0655,
13.0466)**

Conversions

Conversions Part 1

Format	Color
Hex	89765D
RGB	137, 118, 93
RGB Percent	54%, 46%, 36%
CMY	0.4627, 0.5372, 0.6353
CMYK	0.00, 0.14, 0.32, 0.46
HSL	34°, 19%, 45%
HSV	34°, 32%, 54%
XYZ	18.7707, 19.0655, 13.0466
YIQ	120.8310, 19.3490, -3.7470

Conversions

Conversions Part 2

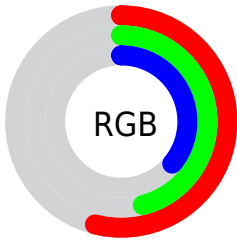
Format	Color
R_{YB}	126, 137, 93
Decimal	9008733
CIE _{Lab}	50.76, 3.40, 16.51
CIE _{LCh}	51, 16.856, 78.370
Yxy	19.0655, 0.3689, 0.3747
Android (android.graphics.Color)	4287198813 (0xFF89765D)
YUV	120.8310, -13.7207, 14.1802
Hunter-Lab	43.6641, 0.3231, 12.8493

Details

The XYZ color **18.7707, 19.0655, 13.0466** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.8236, 15.7211, 25.9201**, and the grayscale version is **18.1583, 19.1039, 20.8042**.

A 20% lighter version of the original color is **40.8185, 41.8090, 31.9052**, and **6.5410, 6.5640, 3.6116** is the 20% darker color. If you saturate the color by 10%, you get **17.5427, 17.4952, 9.9070**, and if you desaturate by 10%, it is **20.1521, 20.7685, 16.7742**.

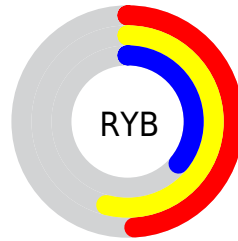
Distribution



Red (54%)

Green (46%)

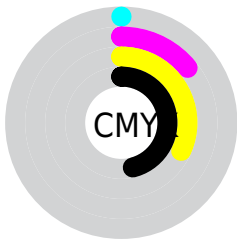
Blue (36%)



Red (49%)

Yellow (54%)

Blue (36%)

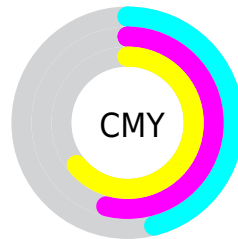


Cyan (0%)

Magenta (14%)

Yellow (32%)

Black (46%)



Cyan (46%)

Magenta (54%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7707, 19.0655, 13.0466 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 18.7707, 19.0655, 13.0466 by changing the saturation by 10% instead.

■ 18.7707, 19.0655,
13.0466

■ 18.7707, 19.0655,
13.0466

238.1424,
246.8101, 222.4344

■ 11.6077, 11.7176,
7.3295

■ 40.8662, 41.8447,
32.0799

■ 6.5475, 6.5517,
3.5875

■ 56.5293, 58.0449,
46.2332

■ 3.2245, 3.1834,
1.4019

■ 75.7567, 77.9646,
64.0357

■ 1.2736, 1.2282,
0.1432

■ 98.9134, 101.9882,
85.9059

■ 0.1633, 0.0846,
0.0000

126.3651,
130.5002, 112.2623

■ 0.0000, 0.0000,
0.0000

158.4769,

163.8849, 143.5235

195.6142,
202.5268, 180.1080

■ 18.7707, 19.0655,
13.0466

■ 18.7707, 19.0655,
13.0466

■ 17.5427, 17.4952,
9.9070

■ 20.1521, 20.7685,
16.7742

■ 16.4601, 16.0509,
7.3234

■ 21.6916, 22.6052,
21.1171

■ 15.5161, 14.7294,
5.2624

■ 23.3954, 24.5799,
26.1025

■ 14.7030, 13.5263,
3.6867

■ 25.2691, 26.6961,
31.7555

■ 14.0117, 12.4365,
2.5537

■ 27.3177, 28.9570,
38.0998

■ 13.4320, 11.4544,
1.8136

■ 29.5463, 31.3657,
45.1579

■ 13.0303, 10.7459,
1.3874

■ 31.9595, 33.9251,
52.9515

■ 34.5620, 36.6381,
61.5012

■ 37.3581, 39.5077,
70.8267

Harmonies

Analogous

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



20.3199, 19.0655, 14.6615



18.7707, 19.0655, 13.0466



17.1360, 19.0655, 13.2513

Triad

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



18.7707, 19.0655, 13.0466



15.2640, 19.0655, 23.7679



20.6070, 19.0655, 27.4258

Complementary

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



18.7707, 19.0655, 13.0466



14.8236, 15.7211, 25.9201

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.



19.1434, 19.0655, 30.6725



18.7707, 19.0655, 13.0466



16.0871, 19.0655, 28.3489

Square

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



18.7707, 19.0655, 13.0466



15.1778, 19.0655, 18.9745



17.4868, 19.0655, 31.0339



21.4225, 19.0655, 22.6523

Rectangle

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



18.7707, 19.0655, 13.0466



16.2155, 19.0655, 14.3986



17.4868, 19.0655, 31.0339



20.1706, 19.0655, 28.7613

Sweetspot

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



18.7712, 19.0664, 13.0470



39.4011, 41.1329, 39.4194



17.1593, 14.3186, 17.2082



8.7576, 9.1323, 8.6108



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.7712, 19.0664, 13.0470



31.8888, 31.9452, 18.9209



20.7636, 23.7555, 13.8471



5.2532, 5.4893, 5.3351



12.1497, 10.0338, 1.2964



0.0953, 0.0958, 0.0135

Inverse Universe

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



14.8236, 15.7211, 25.9201



23.6028, 24.9266, 45.9505



13.2468, 12.1183, 25.3078



4.9407, 5.2242, 6.3538



5.6816, 4.6334, 22.6406



0.0518, 0.0590, 0.1551

Previews

White Background



This preview shows how the XYZ color 18.7707, 19.0655, 13.0466 looks on a white background.

Color Contrast Check

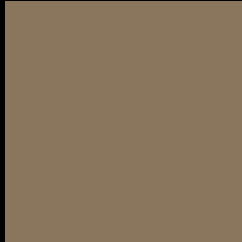
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7707, 19.0655, 13.0466 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 18.7707, 19.0655, 13.0466

Background



This preview shows how black text looks on a background with the XYZ color 18.7707, 19.0655, 13.0466.



This preview shows how white text looks on a background with the XYZ color 18.7707, 19.0655,

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

18.7707, 19.0655, 13.0466

Protanopia

17.9110, 19.1500, 13.3420

Deuteranopia

19.3765, 19.0319, 13.0082



Tritanopia

20.4077, 19.0401, 21.3384

Trichromacy



Original Color

18.7707, 19.0655, 13.0466

Protanomaly

18.2526, 19.1466, 13.3233

Deuteranomaly

19.1523, 19.0883, 13.0309

Tritanomaly

19.7028, 18.9203, 17.9428

Monochromacy



Original Color

18.7707, 19.0655, 13.0466

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.3381, 19.0927, 17.7577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7707, 19.0655, 13.0466 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(137, 118, 93)` looks like.

```
.text, #text, p{  
    color:rgb(137, 118, 93)  
}
```

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(137, 118, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 118, 93) }
```

Border

The CSS property to change the border of an element to XYZ 18.7707, 19.0655, 13.0466 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(137, 118, 93) }
```


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

```
.border{ border-color:rgb(137, 118, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 118, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 118, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 118, 93);  
box-shadow:4px 4px 4px 4px rgb(137, 118,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7707, 19.0655, 13.0466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 118, 93) }
```

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

```
.background{ background-color: rgb(137,  
118, 93) }
```

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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