

Converting Colors

XYZ(19.8474, 20.1472, 16.9350)

Have a look what the booklet for
XYZ(19.8474, 20.1472, 16.9350)
contains.

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Color

**XYZ(19.8607, 20.0758,
17.0156)**

Conversions

Conversions Part 1

Format	Color
Hex	89796C
RGB	137, 121, 108
RGB Percent	54%, 47%, 42%
CMY	0.4627, 0.5255, 0.5765
CMYK	0.00, 0.12, 0.21, 0.46
HSL	27°, 12%, 48%
HSV	27°, 21%, 54%
XYZ	19.8607, 20.0758, 17.0156
YIQ	124.3020, 13.7090, -0.6510

Conversions

Conversions Part 2

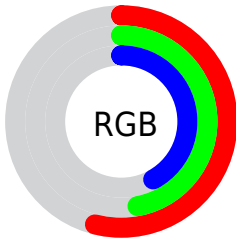
Format	Color
R _Y B	137, 132, 108
Decimal	9009516
CIE Lab	51.92, 3.93, 9.38
CIE LCh	52, 10.172, 67.257
Yxy	20.0758, 0.3487, 0.3525
Android (android.graphics.Color)	4287199596 (0xFF89796C)
YUV	124.3020, -8.0369, 11.1361
Hunter-Lab	44.8060, 0.7113, 8.8482

Details

The XYZ color **19.8607, 20.0758, 17.0156** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.9073, 19.4092, 26.4697**, and the grayscale version is **19.2822, 20.2863, 22.0918**.

A 20% lighter version of the original color is **42.6874, 43.4667, 38.9409**, and **7.1553, 7.1282, 5.4136** is the 20% darker color. If you saturate the color by 10%, you get **18.3055, 18.0420, 13.1783**, and if you desaturate by 10%, it is **21.6035, 22.3012, 21.4813**.

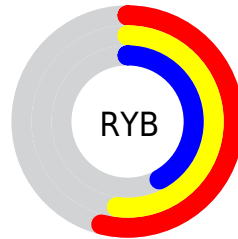
Distribution



Red (54%)

Green (47%)

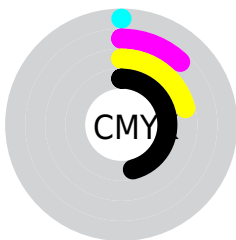
Blue (42%)



Red (54%)

Yellow (52%)

Blue (42%)

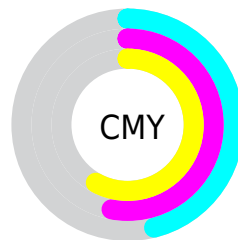


Cyan (0%)

Magenta (12%)

Yellow (21%)

Black (46%)



Cyan (46%)

Magenta (53%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8607, 20.0758, 17.0156 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 19.8607, 20.0758, 17.0156 by changing the saturation by 10% instead.

■ 19.8607, 20.0758,
17.0156

■ 19.8607, 20.0758,
17.0156

244.0080,
252.3252, 247.3093

■ 12.4015, 12.4502,
10.0835

■ 42.6892, 43.5442,
39.1436

■ 7.0919, 7.0510,
5.3481

■ 58.7893, 60.1558,
55.1766

■ 3.5665, 3.4940,
2.3906

■ 78.5003, 80.5315,
75.0804

■ 1.4599, 1.3948,
0.7813

■ 102.1877,
105.0557, 99.2735

■ 0.2983, 0.2129,
0.0000

130.2168,
134.1127, 128.1743

■ 0.0000, 0.0000,
0.0000

162.9530,

168.0871, 162.2016

200.7616,
207.3631, 201.7737

■ 19.8607, 20.0758,
17.0156

■ 19.8607, 20.0758,
17.0156

■ 18.3055, 18.0420,
13.1783

■ 21.6035, 22.3012,
21.4813

■ 16.9294, 16.1916,
9.9393

■ 23.5389, 24.7207,
26.6009

■ 15.7255, 14.5199,
7.2684

■ 25.6737, 27.3400,
32.4001

■ 14.6856, 13.0208,
5.1317

■ 28.0139, 30.1640,
38.9028

■ 13.8010, 11.6879,
3.4918

■ 30.5650, 33.1972,
46.1316

■ 13.0618, 10.5141,
2.3066

■ 33.3325, 36.4441,
54.1083

■ 12.4568, 9.4917,
1.5266

■ 36.3217, 39.9090,
62.8536

■ 12.0082, 8.7016,
1.0467

■ 39.5376, 43.5959,
72.3876

■ 42.9851, 47.5091,
82.7294

Harmonies

Analogous

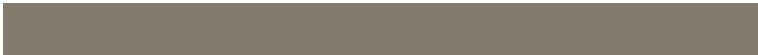
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.7086, 20.0758, 18.5890



19.8607, 20.0758, 17.0156



18.8313, 20.0758, 16.6817

Triad

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



19.8607, 20.0758, 17.0156



17.1757, 20.0758, 22.5866



20.3110, 20.0758, 26.7133

Complementary

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



19.8607, 20.0758, 17.0156



17.9073, 19.4092, 26.4697

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.



19.3338, 20.0758, 28.0103



19.8607, 20.0758, 17.0156



17.5418, 20.0758, 25.4919

Square

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



19.8607, 20.0758, 17.0156



17.3054, 20.0758, 19.7302



18.3228, 20.0758, 27.5443



20.9751, 20.0758, 24.1359

Rectangle

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



19.8607, 20.0758, 17.0156



18.1850, 20.0758, 17.1766



18.3228, 20.0758, 27.5443



20.0069, 20.0758, 27.3236

Sweetspot

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



19.8612, 20.0767, 17.0160



40.3888, 42.0744, 42.9358



19.3449, 17.5100, 21.5732



9.0174, 9.3851, 9.5204



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.



19.8612, 20.0767, 17.0160



34.3057, 34.3146, 27.3239



21.6968, 23.7479, 17.6279



5.2054, 5.3937, 5.3191



11.1972, 8.1287, 0.9788



0.0887, 0.0825, 0.0113

Inverse Universe

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



17.9073, 19.4092, 26.4697



30.2087, 32.9144, 47.1441



16.2687, 16.1321, 25.9235



4.9883, 5.3196, 6.3697



6.5983, 6.4669, 22.9461



0.0585, 0.0722, 0.1573

Previews

White Background



This preview shows how the XYZ color 19.8607, 20.0758, 17.0156 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 19.8607, 20.0758, 17.0156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

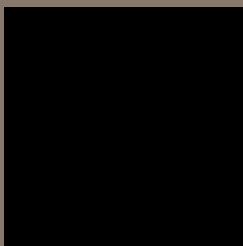
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

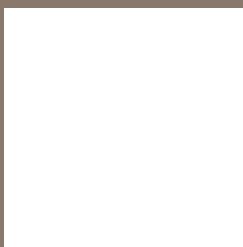
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8607, 20.0758, 17.0156

Background



This preview shows how black text looks on a background with the XYZ color 19.8607, 20.0758, 17.0156.



This preview shows how white text looks on a background with the XYZ color 19.8607, 20.0758,

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

19.8607, 20.0758, 17.0156

Protanopia

19.0212, 20.1866, 17.3619

Deuteranopia

20.2881, 19.9391, 16.9667



Tritanopia

20.9567, 19.9781, 22.8303

Trichromacy



Original Color

19.8607, 20.0758, 17.0156

Protanomaly

19.3590, 20.1756, 17.3419

Deuteranomaly

20.2385, 20.0911, 16.9986

Tritanomaly

20.4682, 19.9530, 20.5418

Monochromacy



Original Color

19.8607, 20.0758, 17.0156

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.4062, 20.1411, 20.0043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8607, 20.0758, 17.0156 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, 121, 108)` looks like.

```
.text, #text, p{  
    color:rgb(137, 121, 108)  
}
```

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, 121, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 121, 108) }
```

Border

The CSS property to change the border of an element to XYZ 19.8607, 20.0758, 17.0156 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, 121, 108) }
```


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

```
.border{ border-color:rgb(137, 121, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 121, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 121, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 121, 108);  
box-shadow:4px 4px 4px 4px rgb(137, 121,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8607, 20.0758, 17.0156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 121, 108) }
```

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

```
.background{ background-color: rgb(137,  
121, 108) }
```

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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