

Converting Colors

XYZ(19.6584, 19.6663, 16.4034)

Have a look what the booklet for
XYZ(19.6584, 19.6663, 16.4034)
contains.

XYZ(19.6796, 19.6375, 16.3889)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.6796, 19.6375,
16.3889)**

Conversions

Conversions Part 1

Format	Color
Hex	8A776A
RGB	138, 119, 106
RGB Percent	54%, 47%, 42%
CMY	0.4588, 0.5333, 0.5843
CMYK	0.00, 0.14, 0.23, 0.46
HSL	24°, 13%, 48%
HSV	24°, 23%, 54%
XYZ	19.6796, 19.6375, 16.3889
YIQ	123.1990, 15.4970, -0.0150

Conversions

Conversions Part 2

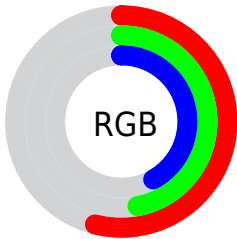
Format	Color
RYB	138, 128, 106
Decimal	9074538
CIELab	51.42, 5.17, 9.86
CIELCh	51, 11.137, 62.315
Yxy	19.6375, 0.3533, 0.3525
Android (android.graphics.Color)	4287264618 (0xFF8A776A)
YUV	123.1990, -8.4791, 12.9805
Hunter-Lab	44.3142, 1.7206, 9.0925

Details

The XYZ color **19.6796, 19.6375, 16.3889** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.8649, 19.5661, 26.8800**, and the grayscale version is **18.9164, 19.9015, 21.6727**.

A 20% lighter version of the original color is **42.3869, 42.7666, 37.9190**, and **7.0672, 6.8970, 5.0964** is the 20% darker color. If you saturate the color by 10%, you get **18.0857, 17.5071, 12.5974**, and if you desaturate by 10%, it is **21.4742, 21.9840, 20.8176**.

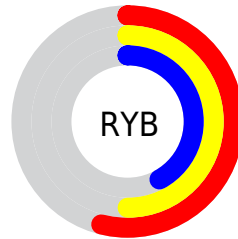
Distribution



Red (54%)

Green (47%)

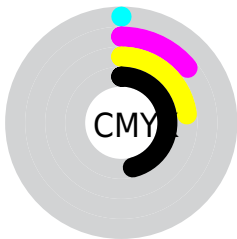
Blue (42%)



Red (54%)

Yellow (50%)

Blue (42%)

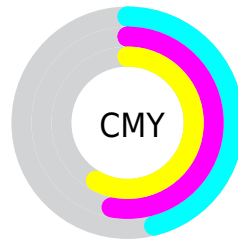


Cyan (0%)

Magenta (14%)

Yellow (23%)

Black (46%)



Cyan (46%)

Magenta (53%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6796, 19.6375, 16.3889 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 19.6796, 19.6375, 16.3889 by changing the saturation by 10% instead.

■ 19.6796, 19.6375,
16.3889

■ 19.6796, 19.6375,
16.3889

243.0420,
249.9459, 243.5493

■ 12.2693, 12.1318,
9.6424

■ 42.3874, 42.8086,
38.0482

■ 7.0008, 6.8335,
5.0600

■ 58.4156, 59.2428,
53.7981

■ 3.5090, 3.3582,
2.2232

■ 78.0471, 79.4219,
73.3862

■ 1.4283, 1.3215,
0.6877

■ 101.6473,
103.7304, 97.2311

■ 0.2762, 0.1577,
0.0000

129.5815,
132.5527, 125.7514

■ 0.0000, 0.0000,
0.0000

162.2152,

166.2731, 159.3654

199.9136,
205.2760, 198.4919

■ 19.6796, 19.6375,
16.3889

■ 19.6796, 19.6375,
16.3889

■ 18.0857, 17.5071,
12.5974

■ 21.4742, 21.9840,
20.8176

■ 16.6832, 15.5838,
9.4120

■ 23.4750, 24.5501,
25.9101

■ 15.4645, 13.8616,
6.8011

■ 25.6893, 27.3425,
31.6928

■ 14.4209, 12.3333,
4.7295

■ 28.1238, 30.3669,
38.1905

■ 13.5425, 10.9913,
3.1581

■ 30.7844, 33.6287,
45.4266

■ 12.8186, 9.8272,
2.0424

■ 33.6772, 37.1331,
53.4236

■ 12.2367, 8.8317,
1.3297

■ 36.8079, 40.8853,
62.2029

■ 11.8990, 8.2388,
0.9631

■ 40.1820, 44.8900,
71.7851

■ 43.8047, 49.1520,
82.1900

Harmonies

Analogous

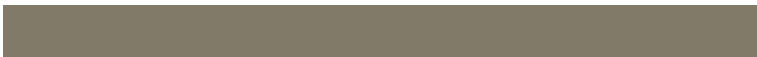
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.5376, 19.6375, 18.2622



19.6796, 19.6375, 16.3889



18.5783, 19.6375, 15.8108

Triad

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



19.6796, 19.6375, 16.3889



16.6020, 19.6375, 21.6311



19.8355, 19.6375, 27.0070

Complementary

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



19.6796, 19.6375, 16.3889



17.8649, 19.5661, 26.8800

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.



18.7517, 19.6375, 28.1284



19.6796, 19.6375, 16.3889



16.9096, 19.6375, 24.8380

Square

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



19.6796, 19.6375, 16.3889



16.8286, 19.6375, 18.6521



17.6856, 19.6375, 27.2981



20.6301, 19.6375, 24.3659

Rectangle

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



19.6796, 19.6375, 16.3889



17.8619, 19.6375, 16.1860



17.6856, 19.6375, 27.2981



19.4915, 19.6375, 27.5854

Sweetspot

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



19.6801, 19.6384, 16.3893



39.9368, 41.4344, 41.9715



19.3500, 17.1974, 21.7689



8.9204, 9.2459, 9.3191



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.



19.6801, 19.6384, 16.3893



33.1259, 32.5370, 25.1363



21.7191, 23.7163, 17.0690



5.1888, 5.3605, 5.3136



10.9234, 7.5811, 0.8876



0.0863, 0.0779, 0.0105

Inverse Universe

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



17.8649, 19.5661, 26.8800



29.3263, 32.3833, 47.0881



16.0216, 15.8795, 26.2656



5.0052, 5.3534, 6.3753



6.9820, 7.2343, 23.0740



0.0608, 0.0769, 0.1581

Previews

White Background



This preview shows how the XYZ color 19.6796, 19.6375, 16.3889 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 19.6796, 19.6375, 16.3889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

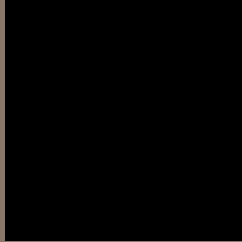
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.6796, 19.6375, 16.3889

Background



This preview shows how black text looks on a background with the XYZ color 19.6796, 19.6375, 16.3889.

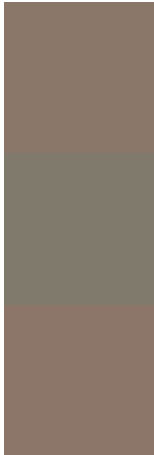


This preview shows how white text looks on a background with the XYZ color 19.6796, 19.6375,

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

19.6796, 19.6375, 16.3889

Protanopia

18.5684, 19.5910, 16.9901

Deuteranopia

19.8952, 19.5729, 16.3650



Tritanopia

20.7623, 19.5469, 22.0807

Trichromacy



Original Color

19.6796, 19.6375, 16.3889

Protanomaly

19.0069, 19.6418, 16.6994

Deuteranomaly

19.7274, 19.4864, 16.3572

Tritanomaly

20.2788, 19.5196, 19.8384

Monochromacy



Original Color

19.6796, 19.6375, 16.3889

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.0725, 19.7926, 19.6447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6796, 19.6375, 16.3889 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(138, 119, 106)` looks like.

```
.text, #text, p{  
    color:rgb(138, 119, 106)  
}
```

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(138, 119, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 119, 106) }
```

Border

The CSS property to change the border of an element to XYZ 19.6796, 19.6375, 16.3889 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(138, 119, 106) }
```


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

```
.border{ border-color:rgb(138, 119, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 119, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 119, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 119, 106);  
box-shadow:4px 4px 4px 4px rgb(138, 119,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6796, 19.6375, 16.3889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 119, 106) }
```

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

```
.background{ background-color: rgb(138,  
119, 106) }
```

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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