

Converting Colors

XYZ(18.1881, 19.0180, 16.6498)

Have a look what the booklet for
XYZ(18.1881, 19.0180, 16.6498)
contains.

XYZ(18.2724, 19.0837, 16.6304)	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(18.2724, 19.0837,
16.6304)**

Conversions

Conversions Part 1

Format	Color
Hex	80786B
RGB	128, 120, 107
RGB Percent	50%, 47%, 42%
CMY	0.4980, 0.5294, 0.5804
CMYK	0.00, 0.06, 0.16, 0.50
HSL	37°, 9%, 46%
HSV	37°, 16%, 50%
XYZ	18.2724, 19.0837, 16.6304
YIQ	120.9100, 8.9410, -2.3470

Conversions

Conversions Part 2

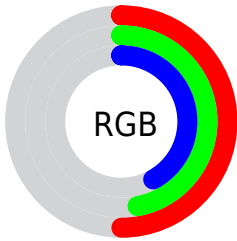
Format	Color
R_{YB}	120, 128, 107
Decimal	8419435
CIE Lab	50.78, 0.71, 8.24
CIE LCh	51, 8.269, 85.097
Yxy	19.0837, 0.3385, 0.3535
Android (android.graphics.Color)	4286609515 (0xFF80786B)
YUV	120.9100, -6.8576, 6.2179
Hunter-Lab	43.6849, -1.7861, 8.0083

Details

The XYZ color **18.2724, 19.0837, 16.6304** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.0903, 16.9454, 22.8449**, and the grayscale version is **18.1648, 19.1107, 20.8116**.

A 20% lighter version of the original color is **39.9801, 41.7974, 38.3083**, and **6.3574, 6.6232, 5.2183** is the 20% darker color. If you saturate the color by 10%, you get **17.0770, 17.6919, 13.1519**, and if you desaturate by 10%, it is **19.5984, 20.5768, 20.6448**.

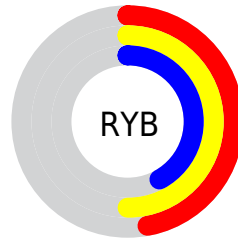
Distribution



Red (50%)

Green (47%)

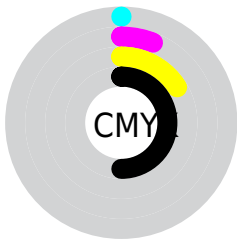
Blue (42%)



Red (47%)

Yellow (50%)

Blue (42%)

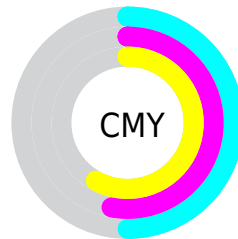


Cyan (0%)

Magenta (6%)

Yellow (16%)

Black (50%)



Cyan (50%)

Magenta (53%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2724, 19.0837, 16.6304 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 18.2724, 19.0837, 16.6304 by changing the saturation by 10% instead.

■ 18.2724, 19.0837,
16.6304

■ 18.2724, 19.0837,
16.6304

235.4180,
246.9104, 245.0048

■ 11.2466, 11.7308,
9.8122

■ 40.0274, 41.8755,
38.4711

■ 6.3015, 6.5606,
5.1706

■ 55.4873, 58.0831,
54.3307

■ 3.0716, 3.1889,
2.2872

■ 74.4893, 78.0111,
74.0411

■ 1.1918, 1.2311,
0.7241

■ 97.3987, 102.0439,
98.0209

■ 0.0999, 0.0869,
0.0000

124.5810,
130.5658, 126.6886

■ 0.0000, 0.0000,
0.0000

156.4013,

163.9613, 160.4628

193.2252,
202.6147, 199.7620

■ 18.2724, 19.0837,
16.6304

■ 18.2724, 19.0837,
16.6304

■ 17.0770, 17.6919,
13.1519

■ 19.5984, 20.5768,
20.6448

■ 16.0059, 16.3962,
10.1848

■ 21.0580, 22.1711,
25.2157

■ 15.0543, 15.1947,
7.7049

■ 22.6560, 23.8699,
30.3638

■ 14.2169, 14.0844,
5.6852

■ 24.3964, 25.6755,
36.1087

■ 13.4875, 13.0622,
4.0960

■ 26.2832, 27.5901,
42.4688

■ 12.8594, 12.1246,
2.9043

■ 28.3201, 29.6157,
49.4620

■ 12.3249, 11.2677,
2.0722

■ 30.5107, 31.7545,
57.1052

■ 11.8703, 10.4853,
1.5304

■ 32.8585, 34.0085,
65.4149

■ 11.7166, 10.2182,
1.3548

■ 35.3668, 36.3796,
74.4067

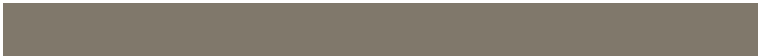
Harmonies

Analogous

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



19.0476, 19.0837, 17.3197



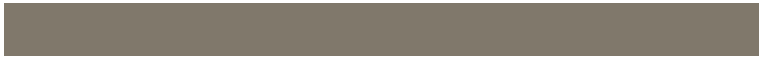
18.2724, 19.0837, 16.6304



17.4836, 19.0837, 16.9830

Triad

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



18.2724, 19.0837, 16.6304



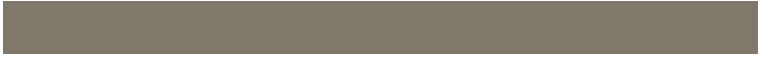
16.7595, 19.0837, 22.7360



19.4508, 19.0837, 23.4469

Complementary

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



18.2724, 19.0837, 16.6304



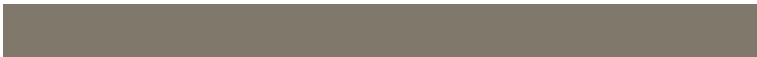
16.0903, 16.9454, 22.8449

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.



18.8096, 19.0837, 25.1020



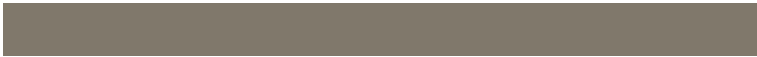
18.2724, 19.0837, 16.6304



17.2588, 19.0837, 24.6705

Square

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



18.2724, 19.0837, 16.6304



16.6253, 19.0837, 20.3987



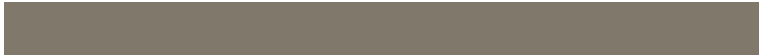
18.0052, 19.0837, 25.5656



19.7408, 19.0837, 21.1638

Rectangle

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



18.2724, 19.0837, 16.6304



17.0538, 19.0837, 17.7765



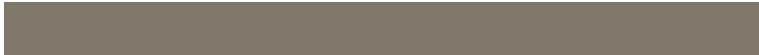
18.0052, 19.0837, 25.5656



19.2683, 19.0837, 24.1017

Sweetspot

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



18.2729, 19.0845, 16.6308



34.8241, 36.5806, 37.3310



17.2574, 16.3438, 18.4801



8.1190, 8.5267, 8.6343



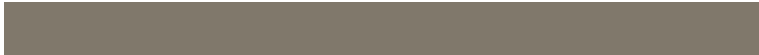
62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



18.2729, 19.0845, 16.6308



31.2914, 32.5861, 26.6862



18.9111, 20.9015, 16.9479



4.5320, 4.7528, 4.5986



11.6191, 10.1347, 1.3438



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.0903, 16.9454, 22.8449



26.6295, 28.0174, 39.9606



15.5164, 15.3540, 22.5680



4.2327, 4.4593, 5.4509



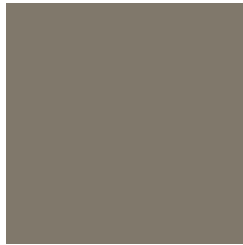
4.9432, 3.7049, 20.7045



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.2724, 19.0837, 16.6304 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 18.2724, 19.0837, 16.6304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

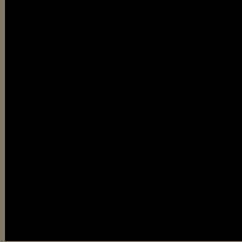
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.2724, 19.0837, 16.6304

Background



This preview shows how black text looks on a background with the XYZ color 18.2724, 19.0837, 16.6304.



This preview shows how white text looks on a background with the XYZ color 18.2724, 19.0837,

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

18.2724, 19.0837, 16.6304

Protanopia

18.0954, 19.1719, 16.6567

Deuteranopia

19.3846, 19.1237, 16.8569



Tritanopia

19.4873, 19.0542, 22.3894

Trichromacy



Original Color

18.2724, 19.0837, 16.6304

Protanomaly

18.2436, 19.2483, 16.6637

Deuteranomaly

19.0167, 19.1079, 16.8733

Tritanomaly

19.0141, 19.0346, 20.1247

Monochromacy



Original Color

18.2724, 19.0837, 16.6304

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.3019, 19.2208, 19.2684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2724, 19.0837, 16.6304 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(128, 120, 107)` looks like.

```
.text, #text, p{  
    color:rgb(128, 120, 107)  
}
```

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(128, 120, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 120, 107) }
```

Border

The CSS property to change the border of an element to XYZ 18.2724, 19.0837, 16.6304 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(128, 120, 107) }
```


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

```
.border{ border-color:rgb(128, 120, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 120, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 120, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 120, 107);  
box-shadow:4px 4px 4px 4px rgb(128, 120,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2724, 19.0837, 16.6304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 120, 107) }
```

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

```
.background{ background-color: rgb(128,  
120, 107) }
```

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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