

Converting Colors

XYZ(17.8982, 18.9336, 17.2547)

Have a look what the booklet for
XYZ(17.8982, 18.9336, 17.2547)
contains.

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Color

**XYZ(17.7890, 18.8222,
17.1635)**

Conversions

Conversions Part 1

Format	Color
Hex	7C786D
RGB	124, 120, 109
RGB Percent	49%, 47%, 43%
CMY	0.5137, 0.5294, 0.5725
CMYK	0.00, 0.03, 0.12, 0.51
HSL	44°, 6%, 46%
HSV	44°, 12%, 49%
XYZ	17.7890, 18.8222, 17.1635
YIQ	119.9420, 5.9150, -2.5730

Conversions

Conversions Part 2

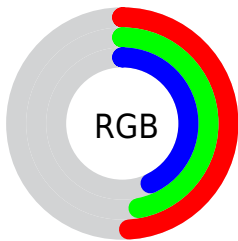
Format	Color
RYB	114, 124, 109
Decimal	8157293
CIELab	50.48, -0.54, 6.58
CIElCh	50, 6.602, 94.691
Yxy	18.8222, 0.3308, 0.3500
Android (android.graphics.Color)	4286347373 (0xFF7C786D)
YUV	119.9420, -5.3944, 3.5589
Hunter-Lab	43.3846, -2.7325, 6.9133

Details

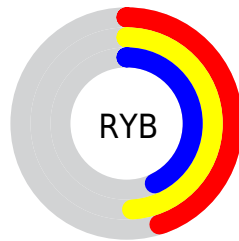
The XYZ color **17.7890, 18.8222, 17.1635** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.8499, 16.5164, 21.4216**, and the grayscale version is **17.8499, 18.7795, 20.4509**.

A 20% lighter version of the original color is **39.2291, 41.3902, 39.1792**, and **6.0885, 6.4784, 5.4870** is the 20% darker color. If you saturate the color by 10%, you get **16.7776, 17.7933, 13.7621**, and if you desaturate by 10%, it is **18.9093, 19.9179, 21.0663**.

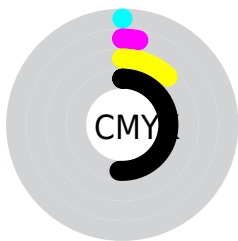
Distribution



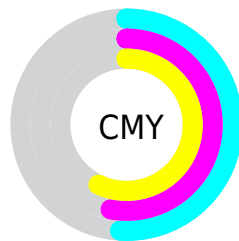
- Red (49%)
- Green (47%)
- Blue (43%)



- Red (45%)
- Yellow (49%)
- Blue (43%)



- Cyan (0%)
- Magenta (3%)
- Yellow (12%)
- Black (51%)



- Cyan (51%)
- Magenta (53%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7890, 18.8222, 17.1635 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 17.7890, 18.8222, 17.1635 by changing the saturation by 10% instead.

■ 17.7890, 18.8222,
17.1635

■ 17.7890, 18.8222,
17.1635

232.7477,
245.4654, 248.1886

■ 10.8974, 11.5419,
10.1879

■ 39.2104, 41.4334,
39.4012

■ 6.0646, 6.4326,
5.4165

■ 54.4708, 57.5332,
55.5004

■ 2.9255, 3.1098,
2.4307

■ 73.2516, 77.3414,
75.4779

■ 1.1145, 1.1893,
0.8031

■ 95.9180, 101.2427,
99.7522

■ 0.0372, 0.0530,
0.0000

122.8355,
129.6213, 128.7419

■ 0.0000, 0.0000,
0.0000

154.3694,

162.8618, 162.8655

190.8850,
201.3483, 202.5415

■ 17.7890, 18.8222,
17.1635

■ 17.7890, 18.8222,
17.1635

■ 16.7776, 17.7933,
13.7621

■ 18.9093, 19.9179,
21.0663

■ 15.8696, 16.8268,
10.8403

■ 20.1409, 21.0796,
25.4889

■ 15.0611, 15.9217,
8.3763

■ 21.4878, 22.3099,
30.4500

■ 14.3475, 15.0758,
6.3461

■ 22.9536, 23.6102,
35.9672

■ 13.7236, 14.2868,
4.7237

■ 24.5415, 24.9823,
42.0573

■ 13.1838, 13.5523,
3.4802

■ 26.2547, 26.4274,
48.7363

■ 12.7219, 12.8696,
2.5828

■ 28.0962, 27.9470,
56.0196

■ 12.3303, 12.2353,
1.9932

■ 30.0690, 29.5426,
63.9221

■ 12.0496, 11.7597,
1.6348

■ 32.1759, 31.2154,
72.4580

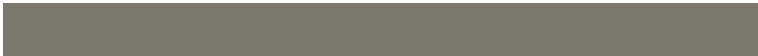
Harmonies

Analogous

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



18.4238, 18.8222, 17.4566



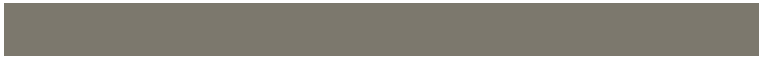
17.7890, 18.8222, 17.1635



17.1954, 18.8222, 17.7182

Triad

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



17.7890, 18.8222, 17.1635



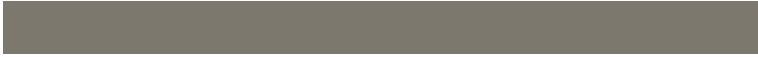
16.8924, 18.8222, 22.5765



19.0312, 18.8222, 22.0456

Complementary

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



17.7890, 18.8222, 17.1635



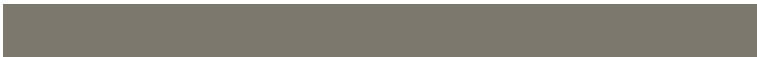
15.8499, 16.5164, 21.4216

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.



18.6030, 18.8222, 23.5460



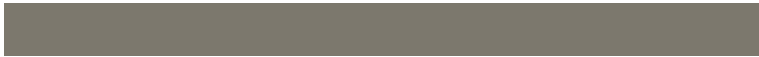
17.7890, 18.8222, 17.1635



17.3665, 18.8222, 23.8651

Square

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



17.7890, 18.8222, 17.1635



16.6857, 18.8222, 20.7852



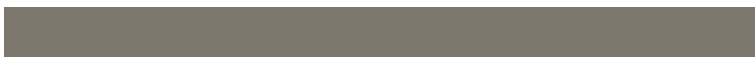
17.9913, 18.8222, 24.2301



19.1508, 18.8222, 20.2059

Rectangle

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



17.7890, 18.8222, 17.1635



16.8997, 18.8222, 18.5148



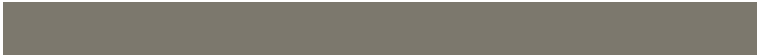
17.9913, 18.8222, 24.2301



18.9181, 18.8222, 22.6099

Sweetspot

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



17.7895, 18.8230, 17.1639



32.8663, 34.6561, 35.6268



16.7617, 16.4149, 17.9080



7.7093, 8.1318, 8.2811



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



17.7895, 18.8230, 17.1639



30.7041, 32.5207, 28.1578



17.7835, 19.5486, 17.3043



4.2217, 4.4618, 4.2632



12.2472, 11.9504, 1.6612



57.6936, 55.5506, 7.6816

Inverse Universe

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



15.8499, 16.5164, 21.4216



26.4641, 27.4787, 37.4657



15.8529, 15.8705, 21.2967



3.8765, 4.0513, 5.0208



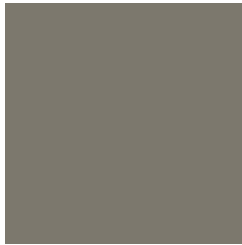
4.2506, 2.5837, 19.6600



19.6657, 11.1040, 93.5766

Previews

White Background



This preview shows how the XYZ color 17.7890, 18.8222, 17.1635 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 17.7890, 18.8222, 17.1635 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

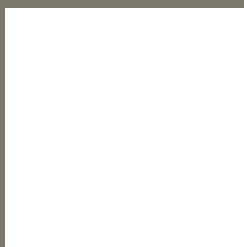
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.7890, 18.8222, 17.1635

Background



This preview shows how black text looks on a background with the XYZ color 17.7890, 18.8222, 17.1635.

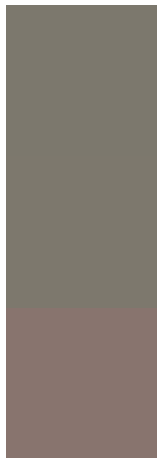


This preview shows how white text looks on a background with the XYZ color 17.7890, 18.8222,

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

17.7890, 18.8222, 17.1635

Protanopia

17.9342, 18.8970, 17.1703

Deuteranopia

19.2132, 18.8508, 17.3778



Tritanopia

18.7962, 18.6905, 22.6956

Trichromacy



Original Color

17.7890, 18.8222, 17.1635

Protanomaly

17.9342, 18.8970, 17.1703

Deuteranomaly

18.6915, 18.7539, 17.3866

Tritanomaly

18.3260, 18.6729, 20.4076

Monochromacy



Original Color

17.7890, 18.8222, 17.1635

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.7540, 18.7588, 19.2081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7890, 18.8222, 17.1635 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(124, 120, 109)` looks like.

```
.text, #text, p{  
    color:rgb(124, 120, 109)  
}
```

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(124, 120, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 120, 109) }
```

Border

The CSS property to change the border of an element to XYZ 17.7890, 18.8222, 17.1635 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(124, 120, 109) }
```


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

```
.border{ border-color:rgb(124, 120, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 120, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 120, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 120, 109);  
box-shadow:4px 4px 4px 4px rgb(124, 120,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7890, 18.8222, 17.1635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 120, 109) }
```

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

```
.background{ background-color: rgb(124,  
120, 109) }
```

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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