

Converting Colors

XYZ(18.7371, 17.8829, 19.6037)

Have a look what the booklet for
XYZ(18.7371, 17.8829, 19.6037)
contains.

XYZ(18.7371, 17.8829, 19.6037)	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(18.7371, 17.8829,
19.6037)**

Conversions

Conversions Part 1

Format	Color
Hex	857076
RGB	133, 112, 118
RGB Percent	52%, 44%, 46%
CMY	0.4784, 0.5608, 0.5373
CMYK	0.00, 0.16, 0.11, 0.48
HSL	343°, 9%, 48%
HSV	343°, 16%, 52%
XYZ	18.7371, 17.8829, 19.6037
YIQ	118.9630, 10.5900, 6.3180

Conversions

Conversions Part 2

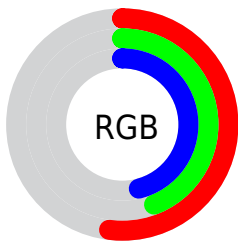
Format	Color
R_{YB}	133, 112, 118
Decimal	8745078
CIE Lab	49.35, 9.30, -0.25
CIE LCh	49, 9.305, 358.432
Yxy	17.8829, 0.3333, 0.3181
Android (android.graphics.Color)	4286935158 (0xFF857076)
YUV	118.9630, -0.4748, 12.3104
Hunter-Lab	42.2882, 5.0857, 2.1164

Details

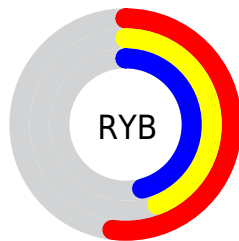
The XYZ color **18.7371, 17.8829, 19.6037** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.9012, 21.7527, 23.2824**, and the grayscale version is **17.5224, 18.4349, 20.0757**.

A 20% lighter version of the original color is **40.7809, 39.8923, 43.5808**, and **6.5062, 5.9480, 6.5995** is the 20% darker color. If you saturate the color by 10%, you get **16.8402, 14.9475, 16.3247**, and if you desaturate by 10%, it is **20.9087, 21.2762, 23.2553**.

Distribution



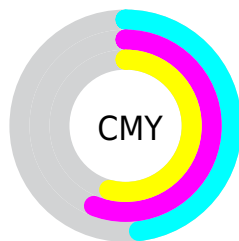
- Red (52%)
- Green (44%)
- Blue (46%)



- Red (52%)
- Yellow (44%)
- Blue (46%)



- Cyan (0%)
- Magenta (16%)
- Yellow (11%)
- Black (48%)



- Cyan (48%)
- Magenta (56%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7371, 17.8829, 19.6037 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 18.7371, 17.8829, 19.6037 by changing the saturation by 10% instead.

■ 18.7371, 17.8829,
19.6037

■ 18.7371, 17.8829,
19.6037

237.9596,
240.2102, 262.2944

■ 11.5833, 10.8659,
11.9261

■ 40.8097, 39.8377,
43.6020

■ 6.5308, 5.9768,
6.5714

■ 56.4593, 55.5443,
60.7597

■ 3.2141, 2.8310,
3.1212

■ 75.6715, 74.9163,
81.9145

■ 1.2680, 1.0441,
1.1569

■ 98.8117, 98.3380,
107.4850

■ 0.1591, 0.0000,
0.0000

126.2452,
126.1939, 137.8897

■ 0.0000, 0.0000,
0.0000

158.3375,

158.8682, 173.5472

195.4538,
196.7456, 214.8759

■ 18.7371, 17.8829,
19.6037

■ 18.7371, 17.8829,
19.6037

■ 16.8402, 14.9475,
16.3247

■ 20.9087, 21.2762,
23.2553

■ 15.2054, 12.4481,
13.4052

■ 23.3639, 25.1434,
27.2899

■ 13.8212, 10.3643,
10.8330

■ 26.1133, 29.5028,
31.7186

■ 12.6747, 8.6734,
8.5947

■ 29.1661, 34.3709,
36.5521

■ 11.7519, 7.3505,
6.6759

■ 32.5316, 39.7633,
41.8002

■ 11.0371, 6.3674,
5.0612

■ 36.2183, 45.6953,
47.4728

■ 10.5127, 5.6925,
3.7338

■ 40.2345, 52.1811,
53.5793

■ 10.1516, 5.2753,
2.6728

■ 44.5881, 59.2348,
60.1287

■ 10.0227, 5.1265,
2.2940

■ 49.2870, 66.8697,
67.1298

Harmonies

Analogous

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



18.4730, 17.8829, 22.1075



18.7371, 17.8829, 19.6037



18.5218, 17.8829, 17.2638

Triad

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



18.7371, 17.8829, 19.6037



16.2077, 17.8829, 15.5300



16.1305, 17.8829, 23.8775

Complementary

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



18.7371, 17.8829, 19.6037



18.9012, 21.7527, 23.2824

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.



15.5586, 17.8829, 21.8597



18.7371, 17.8829, 19.6037



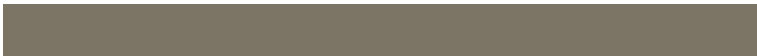
15.6021, 17.8829, 17.0537

Square

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



18.7371, 17.8829, 19.6037



17.0433, 17.8829, 15.0365



15.3684, 17.8829, 19.3398



16.9511, 17.8829, 24.7025

Rectangle

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



18.7371, 17.8829, 19.6037



18.1394, 17.8829, 16.0807



15.3684, 17.8829, 19.3398



15.9039, 17.8829, 23.3081

Sweetspot

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



18.7376, 17.8837, 19.6041



37.7228, 38.5405, 42.1102



18.7363, 17.7717, 24.6334



8.4428, 8.5953, 9.3944



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.7376, 17.8837, 19.6041



32.2608, 30.0167, 32.8903



18.8666, 18.6941, 17.9441



4.7232, 4.7090, 5.1549



9.5498, 4.8843, 2.2017



0.0359, 0.0181, 0.0225

Inverse Universe

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



18.7376, 17.8837, 19.6041



32.2608, 30.0167, 32.8903



18.7403, 20.7867, 25.2152



4.7232, 4.7090, 5.1549



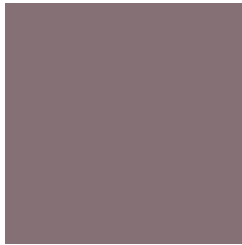
9.5498, 4.8843, 2.2017



0.0359, 0.0181, 0.0225

Previews

White Background



This preview shows how the XYZ color 18.7371, 17.8829, 19.6037 looks on a white 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

Black Background



This preview shows how the XYZ color 18.7371, 17.8829, 19.6037 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 18.7371, 17.8829, 19.6037

Background



This preview shows how black text looks on a background with the XYZ color 18.7371, 17.8829, 19.6037.



This preview shows how white text looks on a background with the XYZ color 18.7371, 17.8829,

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

18.7371, 17.8829, 19.6037

Protanopia

17.4202, 18.0250, 20.6502

Deuteranopia

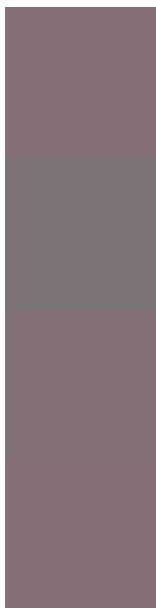
18.3406, 18.0098, 19.6491



Tritanopia

18.8572, 17.9310, 20.2364

Trichromacy



Original Color

18.7371, 17.8829, 19.6037

Protanomaly

17.8331, 17.9026, 20.2849

Deuteranomaly

18.3811, 17.8641, 19.6189

Tritanomaly

18.7968, 17.9068, 19.9184

Monochromacy



Original Color

18.7371, 17.8829, 19.6037

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.8873, 18.1078, 20.0051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7371, 17.8829, 19.6037 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(133, 112, 118)` looks like.

```
.text, #text, p{  
    color:rgb(133, 112, 118)  
}
```

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(133, 112, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 112, 118) }
```

Border

The CSS property to change the border of an element to XYZ 18.7371, 17.8829, 19.6037 is called "border". The border property can be set on classes, ids or directly on the HTML element.

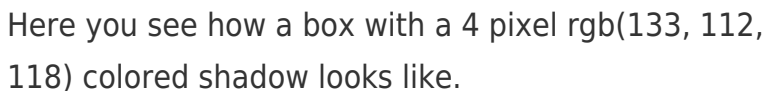
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 112, 118) }
```


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

```
.border{ border-color:rgb(133, 112, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(133, 112, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 112, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 112, 118); box-shadow:4px 4px 4px 4px rgb(133, 112, 118) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7371, 17.8829, 19.6037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 112, 118) }
```

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

```
.background{ background-color: rgb(133,  
112, 118) }
```

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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