

Converting Colors

XYZ(17.1243, 18.2431, 12.1251)

Have a look what the booklet for
XYZ(17.1243, 18.2431, 12.1251)
contains.

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Color

**XYZ(17.1837, 18.2673,
12.0715)**

Conversions

Conversions Part 1

Format	Color
Hex	807659
RGB	128, 118, 89
RGB Percent	50%, 46%, 35%
CMY	0.4980, 0.5372, 0.6510
CMYK	0.00, 0.08, 0.30, 0.50
HSL	45°, 18%, 43%
HSV	45°, 30%, 50%
XYZ	17.1837, 18.2673, 12.0715
YIQ	117.6840, 15.2690, -6.8990

Conversions

Conversions Part 2

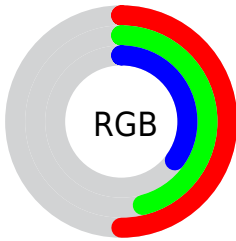
Format	Color
R_{YB}	102, 128, 89
Decimal	8418905
CIE Lab	49.82, -0.98, 17.40
CIE LCh	50, 17.429, 93.215
Yxy	18.2673, 0.3616, 0.3844
Android (android.graphics.Color)	4286608985 (0xFF807659)
YUV	117.6840, -14.1412, 9.0471
Hunter-Lab	42.7403, -3.0296, 13.1724

Details

The XYZ color **17.1837, 18.2673, 12.0715** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.4779, 12.6058, 22.1977**, and the grayscale version is **17.1609, 18.0546, 19.6615**.

A 20% lighter version of the original color is **38.0910, 40.4373, 30.2237**, and **5.7681, 6.1744, 3.1733** is the 20% darker color. If you saturate the color by 10%, you get **16.3127, 17.3120, 9.3560**, and if you desaturate by 10%, it is **18.1625, 19.2886, 15.2846**.

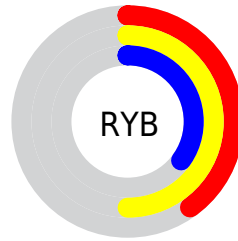
Distribution



Red (50%)

Green (46%)

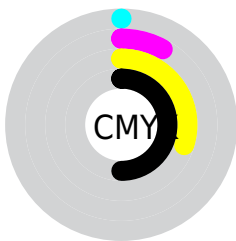
Blue (35%)



Red (40%)

Yellow (50%)

Blue (35%)

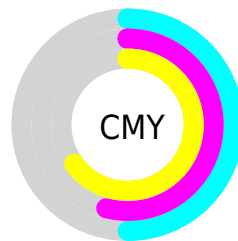


Cyan (0%)

Magenta (8%)

Yellow (30%)

Black (50%)



Cyan (50%)

Magenta (54%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1837, 18.2673, 12.0715 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 17.1837, 18.2673, 12.0715 by changing the saturation by 10% instead.

■ 17.1837, 18.2673,
12.0715

■ 17.1837, 18.2673,
12.0715

229.3644,
242.3734, 215.8727

■ 10.4617, 11.1421,
6.6693

■ 38.1824, 40.4923,
30.2916

■ 5.7707, 6.1625,
3.1808

■ 53.1899, 56.3608,
43.9465

■ 2.7455, 2.9441,
1.1877

■ 71.6898, 75.9125,
61.1895

■ 1.0206, 1.1026,
0.0000

■ 94.0476, 99.5319,
82.4389

■ 0.0000, 0.0000,
0.0000

■ 120.6286,
127.6033, 108.1134

151.7981,

160.5111, 138.6315

187.9216,
198.6396, 174.4118

■ 17.1837, 18.2673,
12.0715

■ 17.1837, 18.2673,
12.0715

■ 16.3127, 17.3120,
9.3560

■ 18.1625, 19.2886,
15.2846

■ 15.5433, 16.4179,
7.1114

■ 19.2525, 20.3753,
19.0178

■ 14.8703, 15.5836,
5.3102

■ 20.4583, 21.5304,
23.2936

■ 14.2880, 14.8063,
3.9218

■ 21.7841, 22.7556,
28.1330

■ 13.7895, 14.0832,
2.9113

■ 23.2338, 24.0527,
33.5557

■ 13.3670, 13.4109,
2.2384

■ 24.8110, 25.4233,
39.5805

■ 13.0113, 12.8076,
1.7863

■ 26.5192, 26.8691,
46.2254

■ 28.3619, 28.3917,
53.5075

■ 30.3423, 29.9924,
61.4435

Harmonies

Analogous

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



18.8448, 18.2673, 12.7794



17.1837, 18.2673, 12.0715



15.6680, 18.2673, 13.1659

Triad

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



17.1837, 18.2673, 12.0715



14.8207, 18.2673, 25.3441



20.3786, 18.2673, 24.3123

Complementary

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



17.1837, 18.2673, 12.0715



12.4779, 12.6058, 22.1977

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.



19.1750, 18.2673, 28.5843



17.1837, 18.2673, 12.0715



15.9600, 18.2673, 29.2438

Square

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



17.1837, 18.2673, 12.0715



14.3596, 18.2673, 20.4083



17.5426, 18.2673, 30.5145



20.7573, 18.2673, 19.3805

Rectangle

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



17.1837, 18.2673, 12.0715



14.9238, 18.2673, 14.8915



17.5426, 18.2673, 30.5145



20.0534, 18.2673, 25.8979

Sweetspot

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



17.1842, 18.2681, 12.0719



34.1531, 36.1235, 34.3794



14.7460, 12.6427, 13.5682



7.9365, 8.3993, 7.8404



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.



17.1842, 18.2681, 12.0719



29.1047, 30.9101, 17.6418



17.1165, 20.0746, 12.4241



4.5750, 4.8386, 4.6130



12.9027, 12.7019, 1.7717



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.4779, 12.6058, 22.1977



19.3518, 19.1799, 38.6384



12.5167, 11.3058, 21.9447



4.1916, 4.3771, 5.4372



4.3986, 2.6156, 20.5230



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.1837, 18.2673, 12.0715 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 17.1837, 18.2673, 12.0715 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

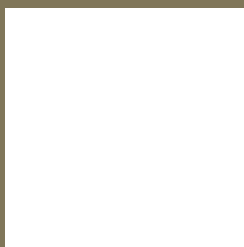
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.1837, 18.2673, 12.0715

Background



This preview shows how black text looks on a background with the XYZ color 17.1837, 18.2673, 12.0715.



This preview shows how white text looks on a background with the XYZ color 17.1837, 18.2673,

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

17.1837, 18.2673, 12.0715

Protanopia

17.0340, 18.1902, 12.0645

Deuteranopia

18.5102, 18.2618, 12.2221



Tritanopia

19.0459, 18.3453, 20.9495

Trichromacy



Original Color

17.1837, 18.2673, 12.0715

Protanomaly

17.0340, 18.1902, 12.0645

Deuteranomaly

17.9679, 18.1505, 12.2293

Tritanomaly

18.3053, 18.2126, 17.3024

Monochromacy



Original Color

17.1837, 18.2673, 12.0715

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.1583, 18.1560, 16.5100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1837, 18.2673, 12.0715 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, 118, 89)` looks like.

```
.text, #text, p{  
    color:rgb(128, 118, 89)  
}
```

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, 118, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 118, 89) }
```

Border

The CSS property to change the border of an element to XYZ 17.1837, 18.2673, 12.0715 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, 118, 89) }
```


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

```
.border{ border-color:rgb(128, 118, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 118, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 118, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 118, 89);  
box-shadow:4px 4px 4px 4px rgb(128, 118,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1837, 18.2673, 12.0715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 118, 89) }
```

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

```
.background{ background-color: rgb(128,  
118, 89) }
```

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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