

Converting Colors

XYZ(17.2081, 18.1989, 12.6949)

Have a look what the booklet for
XYZ(17.2081, 18.1989, 12.6949)
contains.

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Color

**XYZ(17.3123, 18.3188,
12.7486)**

Conversions

Conversions Part 1

Format	Color
Hex	80765C
RGB	128, 118, 92
RGB Percent	50%, 46%, 36%
CMY	0.4980, 0.5372, 0.6392
CMYK	0.00, 0.08, 0.28, 0.50
HSL	43°, 16%, 43%
HSV	43°, 28%, 50%
XYZ	17.3123, 18.3188, 12.7486
YIQ	118.0260, 14.3060, -5.9660

Conversions

Conversions Part 2

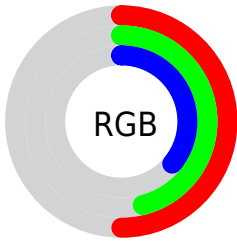
Format	Color
RYB	106, 128, 92
Decimal	8418908
CIELab	49.88, -0.54, 15.74
CIELCh	50, 15.753, 91.965
Yxy	18.3188, 0.3578, 0.3786
Android (android.graphics.Color)	4286608988 (0xFF80765C)
YUV	118.0260, -12.8308, 8.7472
Hunter-Lab	42.8005, -2.6996, 12.3001

Details

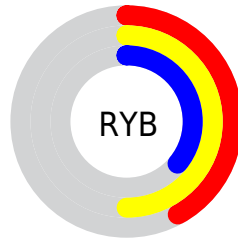
The XYZ color **17.3123, 18.3188, 12.7486** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **13.0612, 13.3361, 22.3079**, and the grayscale version is **17.2642, 18.1633, 19.7798**.

A 20% lighter version of the original color is **38.3133, 40.5262, 31.3942**, and **5.8252, 6.1973, 3.4739** is the 20% darker color. If you saturate the color by 10%, you get **16.3888, 17.2928, 9.9096**, and if you desaturate by 10%, it is **18.3471, 19.4158, 16.0916**.

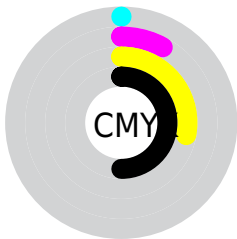
Distribution



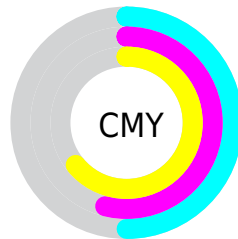
- Red (50%)
- Green (46%)
- Blue (36%)



- Red (42%)
- Yellow (50%)
- Blue (36%)



- Cyan (0%)
- Magenta (8%)
- Yellow (28%)
- Black (50%)



- Cyan (50%)
- Magenta (54%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3123, 18.3188, 12.7486 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 17.3123, 18.3188, 12.7486 by changing the saturation by 10% instead.

■ 17.3123, 18.3188,
12.7486

■ 17.3123, 18.3188,
12.7486

230.0870,
242.6619, 220.4511

■ 10.5541, 11.1791,
7.1270

■ 38.4013, 40.5798,
31.5359

■ 5.8329, 6.1874,
3.4620

■ 53.4628, 56.4699,
45.5387

■ 2.7834, 2.9594,
1.3351

■ 72.0227, 76.0456,
63.1723

■ 1.0403, 1.1106,
0.0903

■ 94.4465, 99.6913,
84.8552

■ 0.0000, 0.0000,
0.0000

121.0995,
127.7914, 111.0060

152.3470,

160.7302, 142.0432

188.5544,
198.8923, 178.3854

■ 17.3123, 18.3188,
12.7486

■ 17.3123, 18.3188,
12.7486

■ 16.3888, 17.2928,
9.9096

■ 18.3471, 19.4158,
16.0916

■ 15.5703, 16.3332,
7.5484

■ 19.4963, 20.5835,
19.9609

■ 14.8519, 15.4383,
5.6382

■ 20.7648, 21.8246,
24.3786

■ 14.2277, 14.6055,
4.1489

■ 22.1566, 23.1411,
29.3654

■ 13.6911, 13.8318,
3.0469

■ 23.6756, 24.5348,
34.9408

■ 13.2347, 13.1141,
2.2932

■ 25.3254, 26.0073,
41.1234

■ 12.8404, 12.4447,
1.7942

■ 27.1096, 27.5605,
47.9310

■ 12.7689, 12.3227,
1.7055

■ 29.0316, 29.1957,
55.3806

■ 31.0945, 30.9147,
63.4887

Harmonies

Analogous

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



18.8092, 18.3188, 13.4811



17.3123, 18.3188, 12.7486



15.9220, 18.3188, 13.7015

Triad

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



17.3123, 18.3188, 12.7486



15.0670, 18.3188, 24.6699



20.0964, 18.3188, 24.1064

Complementary

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



17.3123, 18.3188, 12.7486



13.0612, 13.3361, 22.3079

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.



18.9910, 18.3188, 27.8474



17.3123, 18.3188, 12.7486



16.0847, 18.3188, 28.2044

Square

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



17.3123, 18.3188, 12.7486



14.6731, 18.3188, 20.2320



17.5110, 18.3188, 29.4427



20.4710, 18.3188, 19.6629

Rectangle

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



17.3123, 18.3188, 12.7486



15.2274, 18.3188, 15.2573



17.5110, 18.3188, 29.4427



19.7950, 18.3188, 25.5087

Sweetspot

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



17.3128, 18.3196, 12.7490



34.3135, 36.2276, 35.1007



15.1376, 13.2070, 14.3740



7.9681, 8.4163, 7.9938



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.



17.3128, 18.3196, 12.7490



29.3776, 31.0375, 19.0222



17.4246, 20.2185, 13.1096



4.5676, 4.8238, 4.6105



12.6624, 12.2212, 1.6915



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.0612, 13.3361, 22.3079



20.5546, 20.6988, 38.8682



12.9570, 11.9109, 22.0383



4.1986, 4.3911, 5.4396



4.4765, 2.7714, 20.5490



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.3123, 18.3188, 12.7486 looks on a white background.

Color Contrast Check

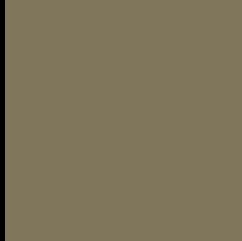
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3123, 18.3188, 12.7486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

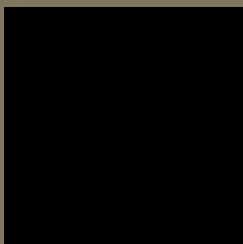
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.3123, 18.3188, 12.7486

Background



This preview shows how black text looks on a background with the XYZ color 17.3123, 18.3188, 12.7486.



This preview shows how white text looks on a background with the XYZ color 17.3123, 18.3188,

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

17.3123, 18.3188, 12.7486

Protanopia

17.1626, 18.2416, 12.7416

Deuteranopia

18.6406, 18.3139, 12.9084



Tritanopia

19.1082, 18.3702, 21.2776

Trichromacy



Original Color

17.3123, 18.3188, 12.7486

Protanomaly

17.1626, 18.2416, 12.7416

Deuteranomaly

18.0982, 18.2027, 12.9155

Tritanomaly

18.4154, 18.2566, 17.8825

Monochromacy



Original Color

17.3123, 18.3188, 12.7486

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.2648, 18.1986, 17.0707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3123, 18.3188, 12.7486 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, 92)` looks like.

```
.text, #text, p{  
    color:rgb(128, 118, 92)  
}
```

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, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 118, 92) }
```

Border

The CSS property to change the border of an element to XYZ 17.3123, 18.3188, 12.7486 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, 92) }
```


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

```
.border{ border-color:rgb(128, 118, 92) }
```

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, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 118, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 118, 92);  
box-shadow:4px 4px 4px 4px rgb(128, 118,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3123, 18.3188, 12.7486 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, 92) }
```

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

```
.background{ background-color: rgb(128,  
118, 92) }
```

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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