

Converting Colors

XYZ(12.1450, 17.6312, 8.4510)

Have a look what the booklet for
XYZ(12.1450, 17.6312, 8.4510)
contains.

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Color

**XYZ(12.1016, 17.5735,
8.3844)**

Conversions

Conversions Part 1

Format	Color
Hex	508045
RGB	80, 128, 69
RGB Percent	31%, 50%, 27%
CMY	0.6863, 0.4980, 0.7294
CMYK	0.38, 0.00, 0.46, 0.50
HSL	109°, 30%, 39%
HSV	109°, 46%, 50%
XYZ	12.1016, 17.5735, 8.3844
YIQ	106.9220, -9.6690, -28.5250

Conversions

Conversions Part 2

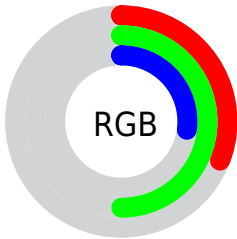
Format	Color
R_{YB}	69, 128, 117
Decimal	5275717
CIE _{Lab}	48.97, -28.52, 26.94
CIE _{LCh}	49, 39.234, 136.639
Yxy	17.5735, 0.3180, 0.4617
Android (android.graphics.Color)	4283465797 (0xFF508045)
YUV	106.9220, -18.6955, -23.6106
Hunter-Lab	41.9208, -21.8323, 17.4862

Details

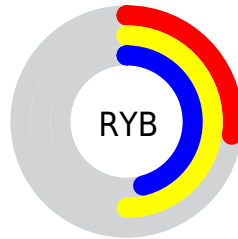
The XYZ color **12.1016, 17.5735, 8.3844** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **13.3614, 9.5972, 21.5713**, and the grayscale version is **14.0060, 14.7354, 16.0468**.

A 20% lighter version of the original color is **29.3096, 39.2613, 23.1729**, and **3.4145, 5.7867, 1.7476** is the 20% darker color. If you saturate the color by 10%, you get **10.9343, 17.0133, 6.4748**, and if you desaturate by 10%, it is **13.4919, 18.2398, 10.7527**.

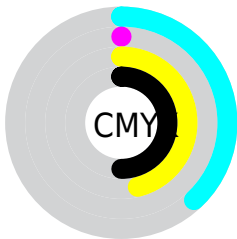
Distribution



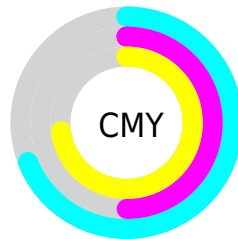
- Red (31%)
- Green (50%)
- Blue (27%)



- Red (27%)
- Yellow (50%)
- Blue (46%)



- Cyan (38%)
- Magenta (0%)
- Yellow (46%)
- Black (50%)



- Cyan (69%)
- Magenta (50%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1016, 17.5735, 8.3844 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 12.1016, 17.5735, 8.3844 by changing the saturation by 10% instead.

■ 12.1016, 17.5735,
8.3844

■ 12.1016, 17.5735,
8.3844

198.8330,
238.4560, 188.7625

■ 6.8856, 10.6442,
4.2506

■ 29.2953, 39.3092,
23.2671

■ 3.4364, 5.8281,
1.7638

■ 42.0036, 54.8845,
34.8532

■ 1.3885, 2.7409,
0.4039

■ 57.9402, 74.1105,
49.7603

■ 0.2480, 0.9980,
0.0000

■ 77.4703, 97.3717,
68.4072

■ 0.0000, 0.0000,
0.0000

■ 100.9592,
125.0524, 91.2123

128.7724,

157.5371, 118.5942

161.2752,
195.2102, 150.9714

■ 12.1016, 17.5735,
8.3844

■ 12.1016, 17.5735,
8.3844

■ 10.9343, 17.0133,
6.4748

■ 13.4919, 18.2398,
10.7527

■ 9.9768, 16.5515,
4.9932

■ 15.1147, 19.0149,
13.6055

■ 9.2166, 16.1829,
3.9067


■ 16.9807, 19.9044,
16.9681


■ 8.6391, 15.9007,
3.1776


■ 19.0995, 20.9126,
20.8637

■ 8.2239, 15.6959,
2.7398


■ 21.4802, 22.0439,
25.3141

 8.0929, 15.6316,
2.5907

 24.1313, 23.3021,
30.3398

 27.0610, 24.6910,
35.9603

 30.2773, 26.2144,
42.1943

 33.7876, 27.8757,
49.0594

Harmonies

Analogous

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



14.7726, 17.5735, 5.6130



12.1016, 17.5735, 8.3844



10.7619, 17.5735, 14.8547

Triad

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



12.1016, 17.5735, 8.3844



15.1329, 17.5735, 46.1162



24.3720, 17.5735, 13.9359

Complementary

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



12.1016, 17.5735, 8.3844



13.3614, 9.5972, 21.5713

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.



24.5060, 17.5735, 24.1664



12.1016, 17.5735, 8.3844



18.7948, 17.5735, 45.5832

Square

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



12.1016, 17.5735, 8.3844



12.3321, 17.5735, 37.7886



22.3442, 17.5735, 36.5229



22.0012, 17.5735, 7.9239

Rectangle

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



12.1016, 17.5735, 8.3844



10.6557, 17.5735, 21.5542



22.3442, 17.5735, 36.5229



24.6910, 17.5735, 16.9031

Sweetspot

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



12.1020, 17.5742, 8.3848



30.5238, 35.3421, 31.0192



16.2455, 17.5566, 8.1630



6.9933, 8.2016, 6.9831



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.



12.1020, 17.5742, 8.3848



19.2187, 29.9378, 11.3485



11.8820, 17.3876, 11.6830



4.3451, 4.8543, 4.6281



8.0253, 15.4996, 2.5687



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.3614, 9.5972, 21.5713



21.6982, 14.0870, 37.5317



13.8617, 9.9782, 16.0337



4.4221, 4.3732, 5.4243



9.5413, 4.4724, 20.6103



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.1016, 17.5735, 8.3844 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 12.1016, 17.5735, 8.3844 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 12.1016, 17.5735, 8.3844

Background



This preview shows how black text looks on a background with the XYZ color 12.1016, 17.5735, 8.3844.



This preview shows how white text looks on a background with the XYZ color 12.1016, 17.5735,

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

12.1016, 17.5735, 8.3844

Protanopia

15.9519, 17.3845, 7.5158

Deuteranopia

17.7023, 17.4254, 8.7338



Tritanopia

15.2485, 17.5376, 24.0541

Trichromacy



Original Color

12.1016, 17.5735, 8.3844

Protanomaly

14.1302, 17.1413, 7.7181

Deuteranomaly

15.0022, 17.0420, 8.6296

Tritanomaly

13.8449, 17.5242, 16.8402

Monochromacy



Original Color

12.1016, 17.5735, 8.3844

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.0363, 15.5932, 12.6786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1016, 17.5735, 8.3844 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(80, 128, 69)` looks like.

```
.text, #text, p{  
    color:rgb(80, 128, 69)  
}
```

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(80, 128, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 128, 69) }
```

Border

The CSS property to change the border of an element to XYZ 12.1016, 17.5735, 8.3844 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(80, 128, 69) }
```


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

```
.border{ border-color:rgb(80, 128, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 128, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 128, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 128, 69);  
box-shadow:4px 4px 4px 4px rgb(80, 128,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1016, 17.5735, 8.3844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 128, 69) }
```

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

```
.background{ background-color: rgb(80, 128,  
69) }
```

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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