

Converting Colors

XYZ(12.8812, 17.1893, 10.6528)

Have a look what the booklet for
XYZ(12.8812, 17.1893, 10.6528)
contains.

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Color

**XYZ(12.8505, 17.1483,
10.6153)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 597C52 |
| RGB | 89, 124, 82 |
| RGB Percent | 35%, 49%, 32% |
| CMY | 0.6510, 0.5137, 0.6784 |
| CMYK | 0.28, 0.00, 0.34, 0.51 |
| HSL | 110°, 20%, 40% |
| HSV | 110°, 34%, 49% |
| XYZ | 12.8505, 17.1483, 10.6153 |
| YIQ | 108.7470, -7.3780, -20.4820 |

Conversions

Conversions Part 2

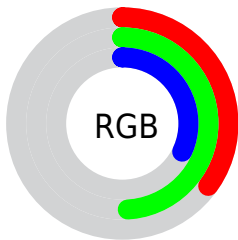
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 82, 124, 117 |
| Decimal | 5864530 |
| CIE _{Lab} | 48.45, -21.16, 19.07 |
| CIE _{LCh} | 48, 28.483, 137.984 |
| Yxy | 17.1483, 0.3164, 0.4222 |
| Android (android.graphics.Color) | 4284054610 (0xFF597C52) |
| YUV | 108.7470, -13.1863, -17.3181 |
| Hunter-Lab | 41.4105, -17.0763, 13.7888 |

Details

The XYZ color **12.8505, 17.1483, 10.6153** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.9921, 11.2722, 20.5079**, and the grayscale version is **14.5022, 15.2574, 16.6153**.

A 20% lighter version of the original color is **30.7022, 38.6857, 27.6787**, and **3.7490, 5.6309, 2.5584** is the 20% darker color. If you saturate the color by 10%, you get **11.4978, 16.5011, 8.3076**, and if you desaturate by 10%, it is **14.4287, 17.9028, 13.3795**.

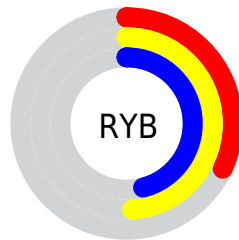
Distribution



Red (35%)

Green (49%)

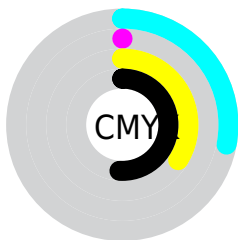
Blue (32%)



Red (32%)

Yellow (49%)

Blue (46%)

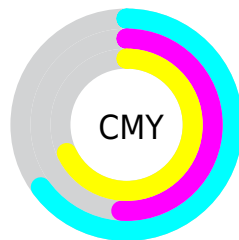


Cyan (28%)

Magenta (0%)

Yellow (34%)

Black (51%)



Cyan (65%)

Magenta (51%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8505, 17.1483, 10.6153 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 12.8505, 17.1483, 10.6153 by changing the saturation by 10% instead.

■ 12.8505, 17.1483,
10.6153

■ 12.8505, 17.1483,
10.6153

203.6143,
236.0255, 205.6507

■ 7.4020, 10.3403,
5.6979

■ 30.6385, 38.5806,
27.5723

■ 3.7633, 5.6252,
2.5965

■ 43.7088, 53.9736,
40.4489

■ 1.5691, 2.6185,
0.8906

■ 60.0503, 72.9971,
56.8157

■ 0.3721, 0.9360,
0.0000

■ 80.0284, 96.0355,
77.0911

■ 0.0000, 0.0000,
0.0000

■ 104.0085,
123.4732, 101.6938

132.3560,

155.6944, 131.0423

165.4361,
193.0838, 165.5551

■ 12.8505, 17.1483,
10.6153

■ 12.8505, 17.1483,
10.6153

■ 11.4978, 16.5011,
8.3076

■ 14.4287, 17.9028,
13.3795

■ 10.3588, 15.9543,
6.4307

■ 16.2406, 18.7670,
16.6217

■ 9.4227, 15.5034,
4.9584


■ 18.2959, 19.7459,
20.3635


■ 8.6774, 15.1427,
3.8607


■ 20.6031, 20.8434,
24.6246


■ 8.1092, 14.8659,
3.1038


■ 23.1705, 22.0634,
29.4240


 7.7016, 14.6656,
2.6431

 26.0059, 23.4094,
34.7794

 7.5102, 14.5717,
2.4168

 29.1167, 24.8851,
40.7079

 32.5102, 26.4938,
47.2258

 36.1933, 28.2387,
54.3488

Harmonies

Analogous

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



14.7994, 17.1483, 8.0734



12.8505, 17.1483, 10.6153



11.8704, 17.1483, 15.8390

Triad

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



12.8505, 17.1483, 10.6153



15.2773, 17.1483, 36.5316



21.5480, 17.1483, 14.5798

Complementary

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



12.8505, 17.1483, 10.6153



13.9921, 11.2722, 20.5079

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.



21.7111, 17.1483, 21.8233



12.8505, 17.1483, 10.6153



17.8965, 17.1483, 35.9297

Square

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



12.8505, 17.1483, 10.6153



13.1681, 17.1483, 31.5005



20.3149, 17.1483, 30.0260



19.8904, 17.1483, 9.9062

Rectangle

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



12.8505, 17.1483, 10.6153



11.8209, 17.1483, 20.7379



20.3149, 17.1483, 30.0260



21.7853, 17.1483, 16.7473

Sweetspot

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



12.8509, 17.1490, 10.6157



29.8424, 33.6265, 31.5383



16.1971, 17.6176, 10.5298



6.9318, 7.8735, 7.2525



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.



12.8509, 17.1490, 10.6157



20.6550, 29.2394, 15.3301



12.7991, 17.0544, 13.6840



4.0074, 4.4791, 4.2778



7.6328, 14.8121, 2.4567



35.9098, 70.3976, 11.6955

Inverse Universe

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



13.9921, 11.2722, 20.5079



22.9924, 17.1593, 35.6569



14.1445, 11.4459, 16.2162



4.0921, 4.0453, 5.0083



9.4220, 4.4300, 19.7438



44.3276, 20.8137, 94.1509

Previews

White Background



This preview shows how the XYZ color 12.8505, 17.1483, 10.6153 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 12.8505, 17.1483, 10.6153 looks on a black 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

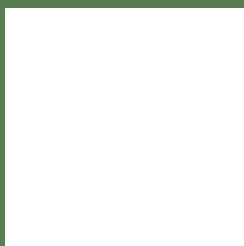
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8505, 17.1483, 10.6153

Background



This preview shows how black text looks on a background with the XYZ color 12.8505, 17.1483, 10.6153.



This preview shows how white text looks on a background with the XYZ color 12.8505, 17.1483,

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

12.8505, 17.1483, 10.6153

Protanopia

15.8181, 17.0966, 9.6740

Deuteranopia

17.2073, 16.9586, 10.9608



Tritanopia

15.3045, 17.0568, 22.9077

Trichromacy



Original Color

12.8505, 17.1483, 10.6153

Protanomaly

14.4453, 16.9009, 9.8980

Deuteranomaly

15.2022, 16.7531, 10.8199

Tritanomaly

14.2018, 16.9603, 17.5641

Monochromacy



Original Color

12.8505, 17.1483, 10.6153

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.7489, 15.7603, 14.1218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8505, 17.1483, 10.6153 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(89, 124, 82)` looks like.

```
.text, #text, p{  
    color:rgb(89, 124, 82)  
}
```

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(89, 124, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 124, 82) }
```

Border

The CSS property to change the border of an element to XYZ 12.8505, 17.1483, 10.6153 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(89, 124, 82) }
```


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

```
.border{ border-color:rgb(89, 124, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 124, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 124, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 124, 82);  
box-shadow:4px 4px 4px 4px rgb(89, 124,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8505, 17.1483, 10.6153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 124, 82) }
```

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

```
.background{ background-color: rgb(89, 124,  
82) }
```

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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