

Converting Colors

XYZ(12.8742, 17.7309, 11.1628)

Have a look what the booklet for
XYZ(12.8742, 17.7309, 11.1628)
contains.

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Color

**XYZ(12.8458, 17.7037,
11.1276)**

Conversions

Conversions Part 1

Format	Color
Hex	547F54
RGB	84, 127, 84
RGB Percent	33%, 50%, 33%
CMY	0.6706, 0.5019, 0.6706
CMYK	0.34, 0.00, 0.34, 0.50
HSL	120°, 20%, 41%
HSV	120°, 34%, 50%
XYZ	12.8458, 17.7037, 11.1276
YIQ	109.2410, -11.8250, -22.4890

Conversions

Conversions Part 2

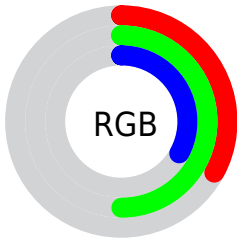
Format	Color
RYB	84, 127, 127
Decimal	5537620
CIELab	49.13, -24.16, 18.79
CIELCh	49, 30.610, 142.121
Yxy	17.7037, 0.3082, 0.4248
Android (android.graphics.Color)	4283727700 (0xFF547F54)
YUV	109.2410, -12.4438, -22.1364
Hunter-Lab	42.0758, -19.1362, 13.7729

Details

The XYZ color **12.8458, 17.7037, 11.1276** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.7541, 12.3854, 21.6398**, and the grayscale version is **14.6414, 15.4039, 16.7748**.

A 20% lighter version of the original color is **30.6160, 39.5146, 28.5677**, and **3.8018, 5.9638, 2.7845** is the 20% darker color. If you saturate the color by 10%, you get **11.3574, 16.9893, 8.6927**, and if you desaturate by 10%, it is **14.6315, 18.5620, 14.0481**.

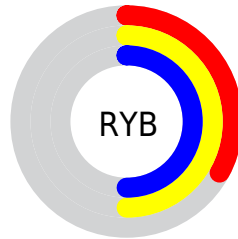
Distribution



Red (33%)

Green (50%)

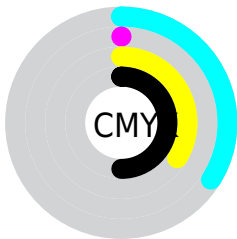
Blue (33%)



Red (33%)

Yellow (50%)

Blue (50%)

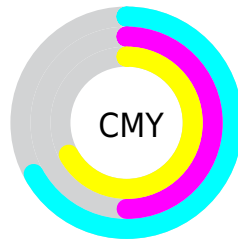


Cyan (34%)

Magenta (0%)

Yellow (34%)

Black (50%)



Cyan (67%)

Magenta (50%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8458, 17.7037, 11.1276 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 12.8458, 17.7037, 11.1276 by changing the saturation by 10% instead.

■ 12.8458, 17.7037,
11.1276

■ 12.8458, 17.7037,
11.1276

203.5847,
239.1956, 209.3096

■ 7.3987, 10.7375,
6.0375

■ 30.6302, 39.5318,
28.5361

■ 3.7612, 5.8906,
2.7987

■ 43.6981, 55.1624,
41.6916

■ 1.5680, 2.7787,
0.9928

■ 60.0371, 74.4500,
58.3726

■ 0.3714, 1.0173,
0.0000

■ 80.0125, 97.7789,
78.9977

■ 0.0000, 0.0000,
0.0000

■ 103.9896,
125.5335, 103.9854

132.3337,

158.0982, 133.7543

165.4103,
195.8575, 168.7228

■ 12.8458, 17.7037,
11.1276

■ 12.8458, 17.7037,
11.1276

■ 11.3574, 16.9893,
8.6927

■ 14.6315, 18.5620,
14.0481

■ 10.1489, 16.4088,
6.7159

■ 16.7279, 19.5690,
17.4771

■ 9.2031, 15.9545,
5.1690


■ 19.1494, 20.7321,
21.4379


■ 8.5007, 15.6170,
4.0200


■ 21.9088, 22.0577,
25.9515


■ 8.0193, 15.3858,
3.2325


■ 25.0186, 23.5514,
31.0381


 7.7301, 15.2469,
2.7595

 28.4904, 25.2191,
36.7167

 7.5897, 15.1795,
2.5299

 32.3352, 27.0660,
43.0057

 36.5639, 29.0972,
49.9224

 41.1865, 31.3177,
57.4836

Harmonies

Analogous

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



14.8383, 17.7037, 8.0510



12.8458, 17.7037, 11.1276



11.9426, 17.7037, 17.1953

Triad

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



12.8458, 17.7037, 11.1276



16.0836, 17.7037, 39.4848



22.4578, 17.7037, 13.9292

Complementary

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



12.8458, 17.7037, 11.1276



15.7541, 12.3854, 21.6398

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.



22.8886, 17.7037, 21.5188



12.8458, 17.7037, 11.1276



18.9856, 17.7037, 37.8759

Square

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



12.8458, 17.7037, 11.1276



13.6687, 17.7037, 34.5862



21.5556, 17.7037, 30.6644



20.4374, 17.7037, 9.3197

Rectangle

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



12.8458, 17.7037, 11.1276



11.9990, 17.7037, 22.7790



21.5556, 17.7037, 30.6644



22.8019, 17.7037, 16.1524

Sweetspot

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



12.8463, 17.7044, 11.1280



31.4560, 35.7632, 33.7522



17.9428, 20.3318, 11.3664



7.2478, 8.3170, 7.7111



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.



12.8463, 17.7044, 11.1280



20.8003, 30.6447, 16.3228



13.8217, 18.0946, 16.2644



4.2760, 4.8187, 4.6249



7.6541, 15.3082, 2.5514



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.7541, 12.3854, 21.6398



26.8818, 19.5206, 38.3070



14.4989, 11.8833, 15.0298



4.4982, 4.4124, 5.4279



12.6904, 6.0959, 20.7573



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.8458, 17.7037, 11.1276 looks on a white background.

Color Contrast Check

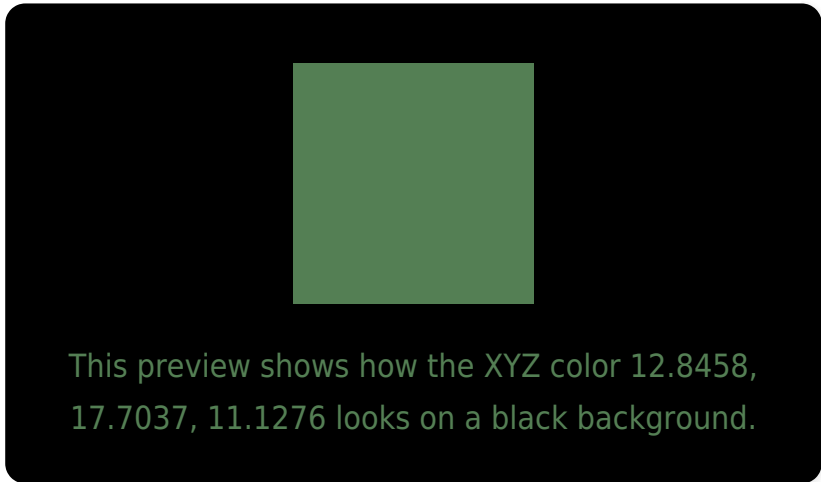
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.8458, 17.7037, 11.1276

Background



This preview shows how black text looks on a background with the XYZ color 12.8458, 17.7037, 11.1276.



This preview shows how white text looks on a background with the XYZ color 12.8458, 17.7037,

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

12.8458, 17.7037, 11.1276

Protanopia

16.2609, 17.4909, 9.9162

Deuteranopia

17.8310, 17.5948, 11.4732



Tritanopia

15.4483, 17.6406, 24.0635

Trichromacy



Original Color

12.8458, 17.7037, 11.1276

Protanomaly

14.7572, 17.4065, 10.3666

Deuteranomaly

15.5122, 17.2460, 11.3153

Tritanomaly

14.3367, 17.5545, 18.5523

Monochromacy



Original Color

12.8458, 17.7037, 11.1276

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.8012, 16.1202, 14.4407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8458, 17.7037, 11.1276 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(84, 127, 84)` looks like.

```
.text, #text, p{  
    color:rgb(84, 127, 84)  
}
```

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(84, 127, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 127, 84) }
```

Border

The CSS property to change the border of an element to XYZ 12.8458, 17.7037, 11.1276 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(84, 127, 84) }
```


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

```
.border{ border-color:rgb(84, 127, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 127, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 127, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 127, 84);  
box-shadow:4px 4px 4px 4px rgb(84, 127,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8458, 17.7037, 11.1276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 127, 84) }
```

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

```
.background{ background-color: rgb(84, 127,  
84) }
```

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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