

Converting Colors

XYZ(11.8466, 17.7480, 10.4417)

Have a look what the booklet for
XYZ(11.8466, 17.7480, 10.4417)
contains.

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Color

**XYZ(11.8848, 17.8097,
10.4006)**

Conversions

Conversions Part 1

Format	Color
Hex	458250
RGB	69, 130, 80
RGB Percent	27%, 51%, 31%
CMY	0.7294, 0.4902, 0.6863
CMYK	0.47, 0.00, 0.38, 0.49
HSL	131°, 31%, 39%
HSV	131°, 47%, 51%
XYZ	11.8848, 17.8097, 10.4006
YIQ	106.0610, -20.3060, -28.4820

Conversions

Conversions Part 2

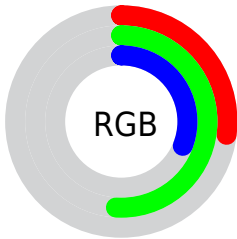
Format	Color
RYB	69, 121, 130
Decimal	4555344
CIELab	49.26, -31.28, 21.10
CIELCh	49, 37.736, 146.002
Yxy	17.8097, 0.2964, 0.4442
Android (android.graphics.Color)	4282745424 (0xFF458250)
YUV	106.0610, -12.8481, -32.5025
Hunter-Lab	42.2015, -23.5835, 14.9290

Details

The XYZ color **11.8848, 17.8097, 10.4006** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.6643, 10.3342, 18.6750**, and the grayscale version is **13.7547, 14.4711, 15.7590**.

A 20% lighter version of the original color is **28.8479, 39.5436, 27.2313**, and **3.3385, 5.9462, 2.4851** is the 20% darker color. If you saturate the color by 10%, you get **10.6988, 17.2407, 8.4505**, and if you desaturate by 10%, it is **13.3363, 18.5093, 12.6899**.

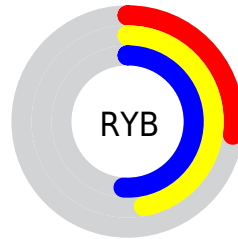
Distribution



Red (27%)

Green (51%)

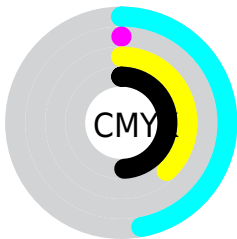
Blue (31%)



Red (27%)

Yellow (47%)

Blue (51%)

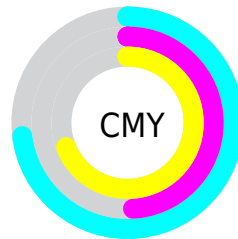


Cyan (47%)

Magenta (0%)

Yellow (38%)

Black (49%)



Cyan (73%)

Magenta (49%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8848, 17.8097, 10.4006 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 11.8848, 17.8097, 10.4006 by changing the saturation by 10% instead.

■ 11.8848, 17.8097,
10.4006

■ 11.8848, 17.8097,
10.4006

197.4267,
239.7962, 204.0954

■ 6.7369, 10.8134,
5.5563

■ 28.9038, 39.7128,
27.1658

■ 3.3430, 5.9415,
2.5128

■ 41.5056, 55.3884,
39.9238

■ 1.3376, 2.8096,
0.8469

■ 57.3228, 74.7260,
56.1568

■ 0.2111, 1.0331,
0.0000

■ 76.7207, 98.1098,
76.2833

■ 0.0000, 0.0000,
0.0000

■ 100.0647,
125.9244, 100.7219

127.7201,

158.5540, 129.8911

160.0523,
196.3832, 164.2094

■ 11.8848, 17.8097,
10.4006

■ 11.8848, 17.8097,
10.4006

■ 10.6988, 17.2407,
8.4505

■ 13.3363, 18.5093,
12.6899

■ 9.7606, 16.7922,
6.8224

■ 15.0667, 19.3447,
15.3322

■ 9.0526, 16.4557,
5.4991


■ 17.0903, 20.3234,
18.3421


■ 8.5541, 16.2212,
4.4617


■ 19.4200, 21.4517,
21.7329


■ 8.2277, 16.0697,
3.6883


■ 22.0677, 22.7357,
25.5172

 8.1422, 16.0297,
3.4991

 25.0450, 24.1809,
29.7072

 28.3627, 25.7927,
34.3144

 32.0311, 27.5761,
39.3500

 36.0602, 29.5362,
44.8246

Harmonies

Analogous

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



14.1134, 17.8097, 6.6113



11.8848, 17.8097, 10.4006



11.0009, 17.8097, 18.0630

Triad

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



11.8848, 17.8097, 10.4006



16.4571, 17.8097, 46.0901



23.8179, 17.8097, 12.0347

Complementary

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



11.8848, 17.8097, 10.4006



14.6643, 10.3342, 18.6750

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.



24.6730, 17.8097, 20.7840



11.8848, 17.8097, 10.4006



20.0931, 17.8097, 42.7422

Square

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



11.8848, 17.8097, 10.4006



13.3971, 17.8097, 40.4796



23.2265, 17.8097, 32.4741



21.0295, 17.8097, 7.2976

Rectangle

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



11.8848, 17.8097, 10.4006



11.1875, 17.8097, 25.2823



23.2265, 17.8097, 32.4741



24.3563, 17.8097, 14.4955

Sweetspot

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



11.8853, 17.8104, 10.4010



31.1128, 36.2817, 33.7917



16.7801, 20.3770, 8.6789



6.8802, 8.1337, 7.4111



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.



11.8853, 17.8104, 10.4010



18.7766, 30.3303, 14.7733



13.2337, 18.3498, 17.5018



4.3053, 4.8304, 4.7788



7.8087, 15.3701, 3.3654



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.6643, 10.3342, 18.6750



24.2752, 15.5065, 31.1209



13.1517, 9.7292, 10.7097



4.4659, 4.3995, 5.2581



11.3515, 5.5603, 13.7069



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.8848, 17.8097, 10.4006 looks on a white background.

Color Contrast Check

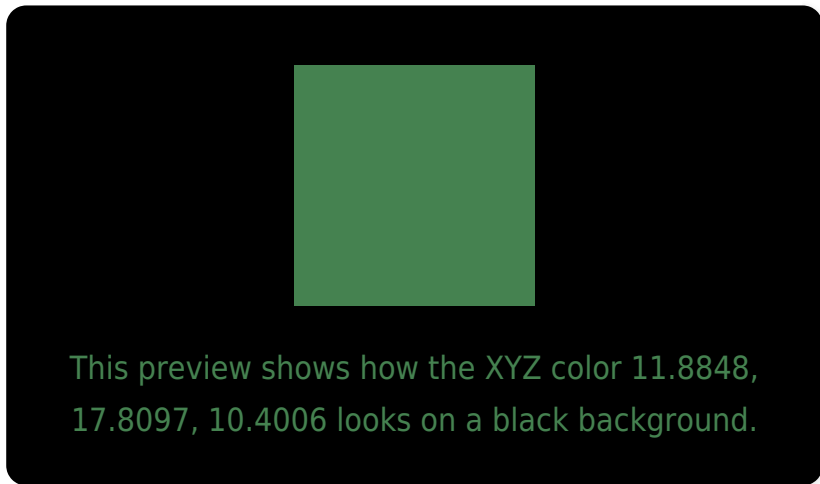
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8848, 17.8097, 10.4006

Background



This preview shows how black text looks on a background with the XYZ color 11.8848, 17.8097, 10.4006.



This preview shows how white text looks on a background with the XYZ color 11.8848, 17.8097,

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

11.8848, 17.8097, 10.4006

Protanopia

16.2678, 17.5108, 9.1791

Deuteranopia

17.8756, 17.6317, 10.8486



Tritanopia

14.9041, 17.8859, 25.2210

Trichromacy



Original Color

11.8848, 17.8097, 10.4006

Protanomaly

14.1208, 17.2747, 9.6113

Deuteranomaly

14.9682, 17.3289, 10.7395

Tritanomaly

13.5587, 17.7144, 18.6242

Monochromacy



Original Color

11.8848, 17.8097, 10.4006

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.8026, 15.4517, 13.6170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8848, 17.8097, 10.4006 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(69, 130, 80)` looks like.

```
.text, #text, p{  
    color:rgb(69, 130, 80)  
}
```

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(69, 130, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 130, 80) }
```

Border

The CSS property to change the border of an element to XYZ 11.8848, 17.8097, 10.4006 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(69, 130, 80) }
```


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

```
.border{ border-color:rgb(69, 130, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 130, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 130, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 130, 80);  
box-shadow:4px 4px 4px 4px rgb(69, 130,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8848, 17.8097, 10.4006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 130, 80) }
```

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

```
.background{ background-color: rgb(69, 130,  
80) }
```

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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