

Converting Colors

XYZ(12.4230, 17.7020, 11.7442)

Have a look what the booklet for
XYZ(12.4230, 17.7020, 11.7442)
contains.

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Color

**XYZ(12.4200, 17.6630,
11.7715)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 4C8057 |
| RGB | 76, 128, 87 |
| RGB Percent | 30%, 50%, 34% |
| CMY | 0.7020, 0.4980, 0.6588 |
| CMYK | 0.41, 0.00, 0.32, 0.50 |
| HSL | 133°, 25%, 40% |
| HSV | 133°, 41%, 50% |
| XYZ | 12.4200, 17.6630, 11.7715 |
| YIQ | 107.7780, -17.8310, -23.7750 |

Conversions

Conversions Part 2

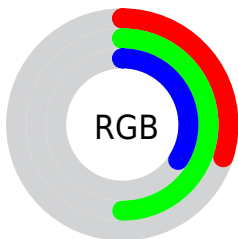
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 76, 119, 128 |
| Decimal | 5013591 |
| CIELab | 49.08, -26.81, 16.94 |
| CIElCh | 49, 31.714, 147.718 |
| Yxy | 17.6630, 0.2967, 0.4220 |
| Android (android.graphics.Color) | 4283203671 (0xFF4C8057) |
| YUV | 107.7780, -10.2436, -27.8693 |
| Hunter-Lab | 42.0274, -20.7973, 12.8125 |

Details

The XYZ color **12.4200, 17.6630, 11.7715** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.6981, 11.0429, 18.1873**, and the grayscale version is **14.2234, 14.9642, 16.2960**.

A 20% lighter version of the original color is **29.7916, 39.3659, 29.6951**, and **3.5506, 5.8285, 3.0357** is the 20% darker color. If you saturate the color by 10%, you get **11.1186, 17.0370, 9.7067**, and if you desaturate by 10%, it is **13.9824, 18.4179, 14.1503**.

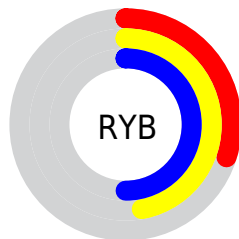
Distribution



Red (30%)

Green (50%)

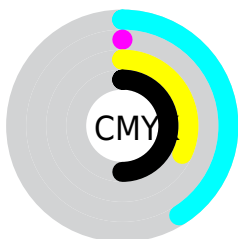
Blue (34%)



Red (30%)

Yellow (47%)

Blue (50%)

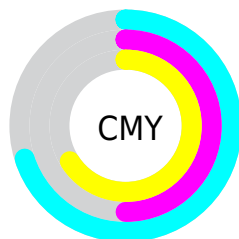


Cyan (41%)

Magenta (0%)

Yellow (32%)

Black (50%)



Cyan (70%)


Magenta (50%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4200, 17.6630, 11.7715 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 12.4200, 17.6630, 11.7715 by changing the saturation by 10% instead.


 12.4200, 17.6630,
11.7715


 12.4200, 17.6630,
11.7715


200.8800,
238.9646, 213.8106


 7.1046, 10.7083,
6.4676


 29.8680, 39.4622,
29.7364


 3.5745, 5.8711,
3.0581

 42.7314, 55.0756,
43.2345


 1.4644, 2.7668,
1.1244

 58.8415, 74.3439,
60.3011

 0.3014, 1.0112,
0.0000

 78.5636, 97.6517,
81.3548

 0.0000, 0.0000,
0.0000

 102.2632,
125.3832, 106.8140

130.3055,

157.9230, 137.0974

163.0560,
195.6553, 172.6234

■ 12.4200, 17.6630,
11.7715

■ 12.4200, 17.6630,
11.7715

■ 11.1186, 17.0370,
9.7067

■ 13.9824, 18.4179,
14.1503

■ 10.0624, 16.5304,
7.9416

■ 15.8176, 19.3061,
16.8542

■ 9.2358, 16.1362,
6.4626


■ 17.9387, 20.3344,
19.8952


■ 8.6212, 15.8455,
5.2545

■ 20.3571, 21.5086,
23.2845


■ 8.1979, 15.6479,
4.3008


■ 23.0839, 22.8342,
27.0327

 7.9182, 15.5185,
3.6196

 26.1295, 24.3163,
31.1497

 29.5037, 25.9598,
35.6455

 33.2162, 27.7694,
40.5292

 37.2759, 29.7495,
45.8100

Harmonies

Analogous

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



14.2768, 17.6630, 8.1073



12.4200, 17.6630, 11.7715



11.7175, 17.6630, 18.5899

Triad

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



12.4200, 17.6630, 11.7715



16.5624, 17.6630, 40.5594



22.3497, 17.6630, 12.6010

Complementary

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



12.4200, 17.6630, 11.7715



14.6981, 11.0429, 18.1873

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.



23.1441, 17.6630, 19.8887



12.4200, 17.6630, 11.7715



19.5780, 17.6630, 37.5797

Square

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



12.4200, 17.6630, 11.7715



13.9272, 17.6630, 36.5739



22.0764, 17.6630, 29.3217



20.0164, 17.6630, 8.4779

Rectangle

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



12.4200, 17.6630, 11.7715



11.9277, 17.6630, 24.6335



22.0764, 17.6630, 29.3217



22.8167, 17.6630, 14.6842

Sweetspot

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



12.4205, 17.6637, 11.7719



30.9304, 35.4840, 34.1015



16.4414, 19.7846, 9.7900



7.1473, 8.2620, 7.8497



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.



12.4205, 17.6637, 11.7719



19.6789, 30.0447, 17.2578



13.6472, 18.1544, 18.2318



4.3104, 4.8325, 4.8058



7.8516, 15.3872, 3.5913



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.6981, 11.0429, 18.1873



24.2759, 16.6598, 30.1903



13.4014, 10.5242, 11.3592



4.4604, 4.3973, 5.2291



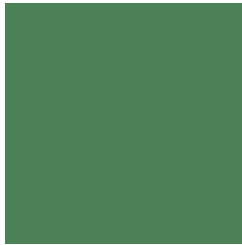
11.1530, 5.4809, 12.6615



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.4200, 17.6630, 11.7715 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 12.4200, 17.6630, 11.7715 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 12.4200, 17.6630, 11.7715

Background



This preview shows how black text looks on a background with the XYZ color 12.4200, 17.6630, 11.7715.



This preview shows how white text looks on a background with the XYZ color 12.4200, 17.6630,

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

12.4200, 17.6630, 11.7715

Protanopia

16.2258, 17.4600, 10.4976

Deuteranopia

17.7261, 17.3585, 12.3138



Tritanopia

14.9621, 17.5634, 24.4313

Trichromacy



Original Color

12.4200, 17.6630, 11.7715

Protanomaly

14.3801, 17.1988, 10.9493

Deuteranomaly

15.1462, 17.0382, 12.1633

Tritanomaly

13.8397, 17.4701, 19.1656

Monochromacy



Original Color

12.4200, 17.6630, 11.7715

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.2549, 15.6684, 14.3823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4200, 17.6630, 11.7715 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(76, 128, 87)` looks like.

```
.text, #text, p{  
    color:rgb(76, 128, 87)  
}
```

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(76, 128, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 128, 87) }
```

Border

The CSS property to change the border of an element to XYZ 12.4200, 17.6630, 11.7715 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(76, 128, 87) }
```


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

```
.border{ border-color:rgb(76, 128, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 128, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 128, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 128, 87);  
box-shadow:4px 4px 4px 4px rgb(76, 128,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4200, 17.6630, 11.7715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 128, 87) }
```

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

```
.background{ background-color: rgb(76, 128,  
87) }
```

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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