

Converting Colors

XYZ(11.7738, 12.4419, 4.5232)

Have a look what the booklet for
XYZ(11.7738, 12.4419, 4.5232)
contains.

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Color

**XYZ(11.8202, 12.5180,
4.4825)**

Conversions

Conversions Part 1

Format	Color
Hex	72622F
RGB	114, 98, 47
RGB Percent	45%, 38%, 18%
CMY	0.5529, 0.6157, 0.8157
CMYK	0.00, 0.14, 0.59, 0.55
HSL	46°, 42%, 32%
HSV	46°, 59%, 45%
XYZ	11.8202, 12.5180, 4.4825
YIQ	96.9700, 25.9070, -12.4690

Conversions

Conversions Part 2

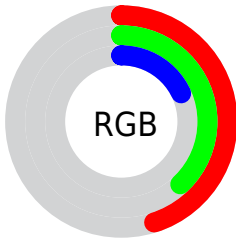
Format	Color
R_{YB}	68, 114, 47
Decimal	7496239
CIE Lab	42.03, -0.55, 30.99
CIE LCh	42, 30.994, 91.010
Yxy	12.5180, 0.4101, 0.4343
Android (android.graphics.Color)	4285686319 (0xFF72622F)
YUV	96.9700, -24.6352, 14.9353
Hunter-Lab	35.3808, -2.2822, 17.2549

Details

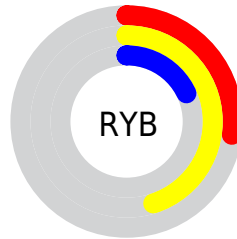
The XYZ color **11.8202, 12.5180, 4.4825** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.9870, 5.3740, 16.6413**, and the grayscale version is **11.4093, 12.0035, 13.0718**.

A 20% lighter version of the original color is **28.8039, 30.3309, 15.1628**, and **3.3423, 3.5460, 0.5083** is the 20% darker color. If you saturate the color by 10%, you get **11.3694, 11.9375, 3.3422**, and if you desaturate by 10%, it is **12.3404, 13.1410, 5.9427**.

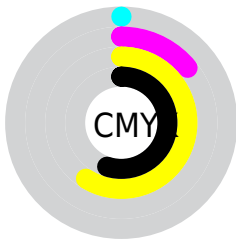
Distribution



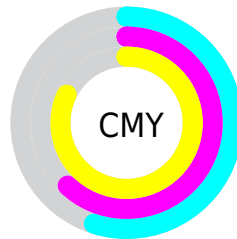
- Red (45%)
- Green (38%)
- Blue (18%)



- Red (27%)
- Yellow (45%)
- Blue (18%)



- Cyan (0%)
- Magenta (14%)
- Yellow (59%)
- Black (55%)



- Cyan (55%)
- Magenta (62%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8202, 12.5180, 4.4825 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 11.8202, 12.5180, 4.4825 by changing the saturation by 10% instead.

■ 11.8202, 12.5180,
4.4825

■ 11.8202, 12.5180,
4.4825

197.0056,
207.8051, 153.4462

■ 6.6927, 7.0975,
1.8936

■ 28.7869, 30.4351,
15.1081

■ 3.3153, 3.5231,
0.4887

■ 41.3568, 43.7005,
23.9819

■ 1.3226, 1.4106,
0.0000

■ 57.1383, 60.3496,
35.7877

■ 0.2000, 0.2245,
0.0000

■ 76.4966, 80.7668,
50.9441

■ 0.0000, 0.0000,
0.0000

■ 99.7971, 105.3366,
69.8696

■ 127.4052,

134.4433, 92.9827

159.6863,
168.4713, 120.7021

■ 11.8202, 12.5180,
4.4825

■ 11.8202, 12.5180,
4.4825

■ 11.3694, 11.9375,
3.3422

■ 12.3404, 13.1410,
5.9427

■ 10.9822, 11.3958,
2.4959

■ 12.9334, 13.8067,
7.7448

■ 10.6533, 10.8909,
1.9147

■ 13.6036, 14.5174,
9.9093

■ 10.3647, 10.4156,
1.5044

■ 14.3545, 15.2746,
12.4552

■ 10.3299, 10.3584,
1.4549

■ 15.1897, 16.0799,
15.4001

■ 16.1122, 16.9347,
18.7604

■ 17.1251, 17.8402,
22.5516

■ 18.2312, 18.7978,
26.7885

■ 19.4334, 19.8087,
31.4852

Harmonies

Analogous

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



14.1730, 12.5180, 5.2810



11.8202, 12.5180, 4.4825



9.7616, 12.5180, 5.4005

Triad

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



11.8202, 12.5180, 4.4825



8.4954, 12.5180, 21.2531



16.2014, 12.5180, 20.7373

Complementary

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



11.8202, 12.5180, 4.4825



5.9870, 5.3740, 16.6413

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.



14.3253, 12.5180, 27.6249



11.8202, 12.5180, 4.4825



9.8804, 12.5180, 27.9840

Square

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



11.8202, 12.5180, 4.4825



8.0009, 12.5180, 13.8544



11.9761, 12.5180, 30.6237



16.8910, 12.5180, 13.4079

Rectangle

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



11.8202, 12.5180, 4.4825



8.7806, 12.5180, 7.1124



11.9761, 12.5180, 30.6237



15.6776, 12.5180, 23.2547

Sweetspot

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



11.8205, 12.5186, 4.4828



25.2682, 26.8844, 22.0361



8.8743, 5.9778, 5.4995



5.7701, 6.1446, 4.8425



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.8205, 12.5186, 4.4828



19.6903, 20.5835, 5.2102



11.4869, 14.7950, 4.9397



3.5777, 3.7879, 3.6159



11.4861, 11.5047, 1.6152



56.5271, 55.9294, 7.8161

Inverse Universe

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



5.9870, 5.3740, 16.6413



8.3940, 6.7760, 28.8410



6.1520, 4.3297, 16.4310



3.2763, 3.4179, 4.2413



3.8111, 2.2124, 17.9478



18.4095, 9.8709, 89.2141

Previews

White Background



This preview shows how the XYZ color 11.8202, 12.5180, 4.4825 looks on a white background.

Color Contrast Check

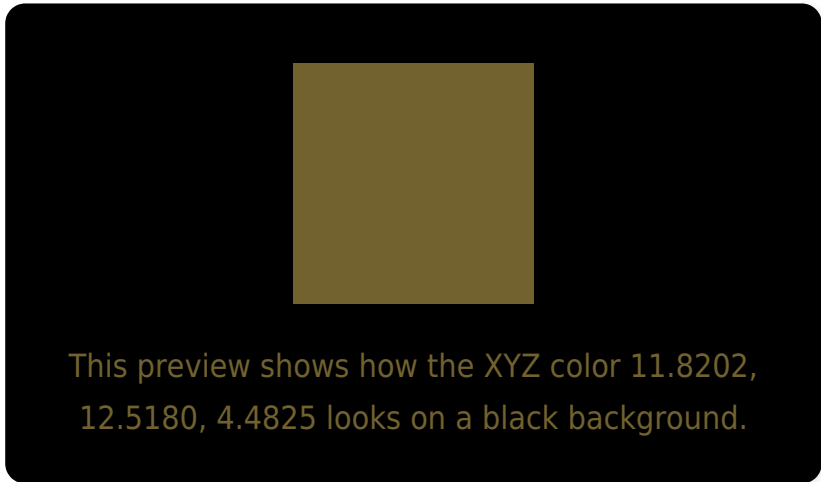
Large Text (above 18pt) WCAG AA ✓ Pass

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 × 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 11.8202, 12.5180, 4.4825

Background



This preview shows how black text looks on a background with the XYZ color 11.8202, 12.5180, 4.4825.



This preview shows how white text looks on a background with the XYZ color 11.8202, 12.5180,

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

11.8202, 12.5180, 4.4825

Protanopia

11.4053, 12.4439, 4.4901

Deuteranopia

12.6517, 12.5354, 4.5491



Tritanopia

13.6870, 12.4771, 13.4913

Trichromacy



Original Color

11.8202, 12.5180, 4.4825

Protanomaly

11.5305, 12.5084, 4.4960

Deuteranomaly

12.3241, 12.5011, 4.5597

Tritanomaly

12.7868, 12.3665, 9.3025

Monochromacy



Original Color

11.8202, 12.5180, 4.4825

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.2795, 11.9975, 9.1184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8202, 12.5180, 4.4825 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(114, 98, 47)` looks like.

```
.text, #text, p{  
    color:rgb(114, 98, 47)  
}
```

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(114, 98, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 98, 47) }
```

Border

The CSS property to change the border of an element to XYZ 11.8202, 12.5180, 4.4825 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(114, 98, 47) }
```


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

```
.border{ border-color:rgb(114, 98, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 98, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 98, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 98, 47);  
box-shadow:4px 4px 4px 4px rgb(114, 98,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8202, 12.5180, 4.4825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 98, 47) }
```

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

```
.background{ background-color: rgb(114, 98,  
47) }
```

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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