

Converting Colors

XYZ(12.6927, 11.7822, 2.4958)

Have a look what the booklet for
XYZ(12.6927, 11.7822, 2.4958)
contains.

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Color

**XYZ(12.7905, 11.8778,
2.4827)**

Conversions

Conversions Part 1

Format	Color
Hex	815918
RGB	129, 89, 24
RGB Percent	51%, 35%, 9%
CMY	0.4941, 0.6510, 0.9059
CMYK	0.00, 0.31, 0.81, 0.49
HSL	37°, 69%, 30%
HSV	37°, 81%, 51%
XYZ	12.7905, 11.8778, 2.4827
YIQ	93.5500, 44.7050, -11.7350

Conversions

Conversions Part 2

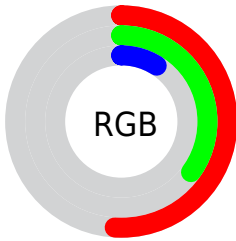
Format	Color
RYB	89, 129, 24
Decimal	8476952
CIELab	41.02, 10.44, 41.60
CIELCh	41, 42.890, 75.908
Yxy	11.8778, 0.4711, 0.4375
Android (android.graphics.Color)	4286667032 (0xFF815918)
YUV	93.5500, -34.2882, 31.0897
Hunter-Lab	34.4642, 5.9334, 19.8538

Details

The XYZ color **12.7905, 11.8778, 2.4827** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.1725, 5.4459, 21.4946**, and the grayscale version is **10.6043, 11.1565, 12.1495**.

A 20% lighter version of the original color is **30.4428, 29.2606, 10.3467**, and **3.8023, 3.2972, 0.4360** is the 20% darker color. If you saturate the color by 10%, you get **12.2915, 11.0461, 1.8040**, and if you desaturate by 10%, it is **13.3810, 12.7908, 3.5059**.

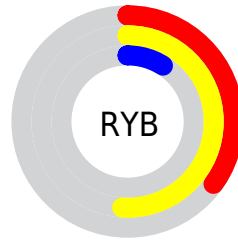
Distribution



Red (51%)

Green (35%)

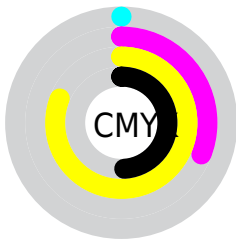
Blue (9%)



Red (35%)

Yellow (51%)

Blue (9%)

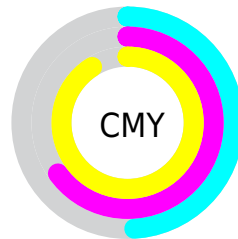


Cyan (0%)

Magenta (31%)

Yellow (81%)

Black (49%)



Cyan (49%)

Magenta (65%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7905, 11.8778, 2.4827 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 12.7905, 11.8778, 2.4827 by changing the saturation by 10% instead.

■ 12.7905, 11.8778,
2.4827

■ 12.7905, 11.8778,
2.4827

203.2355,
203.5946, 129.4717

■ 7.3604, 6.6605,
0.8310

■ 30.5314, 29.2723,
10.3228

■ 3.7369, 3.2507,
0.0000

■ 43.5730, 42.2184,
17.3543

■ 1.5544, 1.2640,
0.0000

■ 59.8825, 58.5095,
27.0182

■ 0.3624, 0.1131,
0.0000


■ 79.8252, 78.5301,
39.7329


■ 0.0000, 0.0000,
0.0000


■ 103.7665,
102.6645, 55.9171


■ 132.0717,


131.2971, 75.9893


 165.1063,
164.8123, 100.3680


 12.7905, 11.8778,
2.4827


 12.7905, 11.8778,
2.4827


 12.2915, 11.0461,
1.8040


 13.3810, 12.7908,
3.5059

 11.9116, 10.3840,
1.3765

 14.0706, 13.7875,
4.9150

 14.8668, 14.8721,
6.7462

 15.7763, 16.0481,
9.0314

 16.8048, 17.3186,
11.7992

■ 17.9579, 18.6865,
15.0760

■ 19.2405, 20.1545,
18.8862

■ 20.6575, 21.7254,
23.2526

■ 22.2133, 23.4014,
28.1968

Harmonies

Analogous

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



15.9214, 11.8778, 4.1873



12.7905, 11.8778, 2.4827



9.7458, 11.8778, 2.5292

Triad

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



12.7905, 11.8778, 2.4827



6.5062, 11.8778, 18.1492



16.0886, 11.8778, 28.6474

Complementary

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



12.7905, 11.8778, 2.4827



6.1725, 5.4459, 21.4946

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.



12.9882, 11.8778, 36.9957



12.7905, 11.8778, 2.4827



7.6562, 11.8778, 29.2969

Square

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



12.7905, 11.8778, 2.4827



6.4726, 11.8778, 9.2340



9.9108, 11.8778, 37.2762



18.0468, 11.8778, 17.5073

Rectangle

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



12.7905, 11.8778, 2.4827



8.1659, 11.8778, 3.4970



9.9108, 11.8778, 37.2762



15.1226, 11.8778, 32.0575

Sweetspot

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



12.7908, 11.8784, 2.4829



31.4797, 32.6681, 25.0368



10.3125, 5.6935, 5.4435



6.9847, 7.2277, 5.2669



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.



12.7908, 11.8784, 2.4829



21.3306, 18.5648, 2.5558



15.3177, 19.5310, 3.8268



4.5320, 4.7527, 4.5986



11.6181, 10.1326, 1.3435



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.1725, 5.4459, 21.4946



9.0976, 6.7792, 38.0215



5.0255, 2.6180, 21.0092



4.2327, 4.4594, 5.4509



4.9438, 3.7061, 20.7047



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.7905, 11.8778, 2.4827 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 12.7905, 11.8778, 2.4827 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 12.7905, 11.8778, 2.4827

Background



This preview shows how black text looks on a background with the XYZ color 12.7905, 11.8778, 2.4827.



This preview shows how white text looks on a background with the XYZ color 12.7905, 11.8778,

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

12.7905, 11.8778, 2.4827

Protanopia

10.7678, 11.8752, 2.7019

Deuteranopia

12.0078, 11.8537, 2.4657



Tritanopia

14.5693, 11.8943, 10.9791

Trichromacy



Original Color

12.7905, 11.8778, 2.4827

Protanomaly

11.3806, 11.7886, 2.5953

Deuteranomaly

12.3532, 11.9040, 2.4572

Tritanomaly

13.7184, 11.7842, 6.5526

Monochromacy



Original Color

12.7905, 11.8778, 2.4827

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.9647, 11.2098, 7.2160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7905, 11.8778, 2.4827 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(129, 89, 24)` looks like.

```
.text, #text, p{  
    color:rgb(129, 89, 24)  
}
```

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(129, 89, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 89, 24) }
```

Border

The CSS property to change the border of an element to XYZ 12.7905, 11.8778, 2.4827 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(129, 89, 24) }
```


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

```
.border{ border-color:rgb(129, 89, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 89, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 89, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 89, 24);  
box-shadow:4px 4px 4px 4px rgb(129, 89,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7905, 11.8778, 2.4827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 89, 24) }
```

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

```
.background{ background-color: rgb(129, 89,  
24) }
```

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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