

Converting Colors

XYZ(12.7681, 11.7482, 1.5590)

Have a look what the booklet for
XYZ(12.7681, 11.7482, 1.5590)
contains.

XYZ(12.8498, 11.8047, 1.6013)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.8498, 11.8047,
1.6013)**

Conversions

Conversions Part 1

Format	Color
Hex	835800
RGB	131, 88, 0
RGB Percent	51%, 35%, 0%
CMY	0.4863, 0.6549, 1.0000
CMYK	0.00, 0.33, 1.00, 0.49
HSL	40°, 100%, 26%
HSV	40°, 100%, 51%
XYZ	12.8498, 11.8047, 1.6013
YIQ	90.8250, 53.8760, -18.2520

Conversions

Conversions Part 2

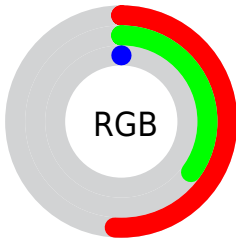
Format	Color
R_{YB}	64, 131, 0
Decimal	8607744
CIE _{Lab}	40.90, 11.34, 49.11
CIE _{LCh}	41, 50.403, 76.994
Yxy	11.8047, 0.4894, 0.4496
Android (android.graphics.Color)	4286797824 (0xFF835800)
YUV	90.8250, -44.7767, 35.2335
Hunter-Lab	34.3580, 6.6321, 21.2873

Details

The XYZ color **12.8498, 11.8047, 1.6013** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.9607, 3.3666, 21.8610**, and the grayscale version is **9.9944, 10.5149, 11.4508**.

A 20% lighter version of the original color is **30.5660, 29.1637, 7.8891**, and **3.8444, 3.2643, 0.4274** is the 20% darker color. If you saturate the color by 10%, you get **12.8499, 11.8050, 1.6013**, and if you desaturate by 10%, it is **13.2868, 12.5615, 2.1087**.

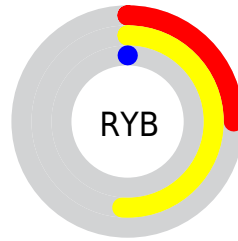
Distribution



Red (51%)

Green (35%)

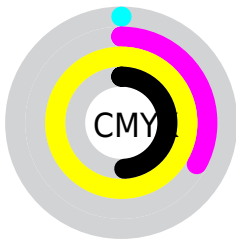
Blue (0%)



Red (25%)

Yellow (51%)

Blue (0%)

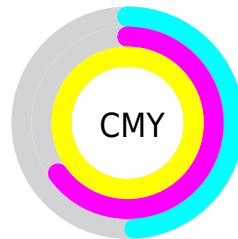


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (49%)



Cyan (49%)


Magenta (65%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.8498, 11.8047, 1.6013 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 12.8498, 11.8047, 1.6013 by changing the saturation by 10% instead.


 12.8498, 11.8047,
1.6013


 12.8498, 11.8047,
1.6013

 203.6099,
203.1080, 115.8416


 7.4015, 6.6108,
0.2917


 30.6373, 29.1389,
7.9190


 3.7630, 3.2199,
0.0000

 43.7072, 42.0480,
13.9084

 1.5689, 1.2476,
0.0000

 60.0483, 58.2977,
22.3430

 0.3720, 0.1001,
0.0000

 80.0260, 78.2723,
33.6412


 0.0000, 0.0000,
0.0000


 104.0057,
102.3563, 48.2217


 132.3527,


130.9339, 66.5029


 165.4323,
164.3897, 88.9033


 12.8498, 11.8047,
1.6013


 12.8498, 11.8047,
1.6013


 12.8499, 11.8050,
1.6013

 13.2868, 12.5615,
2.1087

 13.7869, 13.3770,
2.8447

 14.3756, 14.2623,
3.9413

 15.0613, 15.2213,
5.4410

 15.8512, 16.2576,
7.3806

■ 16.7520, 17.3741,
9.7925

■ 17.7694, 18.5737,
12.7062

■ 18.9088, 19.8591,
16.1486

■ 20.1752, 21.2328,
20.1448

Harmonies

Analogous

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



16.6301, 11.8047, 3.1277



12.8498, 11.8047, 1.6013



9.3174, 11.8047, 1.6920

Triad

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



12.8498, 11.8047, 1.6013



5.8199, 11.8047, 19.5559



17.0765, 11.8047, 31.6526

Complementary

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



12.8498, 11.8047, 1.6013



4.9607, 3.3666, 21.8610

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.



13.3655, 11.8047, 42.6298



12.8498, 11.8047, 1.6013



7.1325, 11.8047, 33.4636

Square

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



12.8498, 11.8047, 1.6013



5.7398, 11.8047, 8.8907



9.7342, 11.8047, 43.4283



19.3990, 11.8047, 17.8469

Rectangle

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



12.8498, 11.8047, 1.6013



7.5513, 11.8047, 2.6355



9.7342, 11.8047, 43.4283



15.9180, 11.8047, 36.0552

Sweetspot

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



12.8501, 11.8053, 1.6015



31.6876, 33.1073, 22.3609



9.8085, 5.0048, 2.7995



7.2198, 7.5242, 4.7479



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.8501, 11.8053, 1.6015



22.8667, 20.8507, 2.8194



14.4436, 19.4944, 3.0017



4.9143, 5.1722, 4.9687



12.6513, 11.6253, 1.5771



0.0505, 0.0536, 0.0077

Inverse Universe

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



4.9607, 3.3666, 21.8610



8.7543, 5.7705, 39.1056



4.4241, 1.8075, 21.5883



4.5501, 4.7758, 5.8828



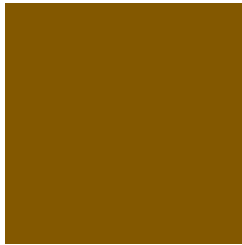
4.8851, 3.3181, 21.5197



0.0231, 0.0238, 0.0766

Previews

White Background



This preview shows how the XYZ color 12.8498, 11.8047, 1.6013 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 12.8498, 11.8047, 1.6013

Background



This preview shows how black text looks on a background with the XYZ color 12.8498, 11.8047, 1.6013.



This preview shows how white text looks on a background with the XYZ color 12.8498, 11.8047,

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

12.8498, 11.8047, 1.6013

Protanopia

10.6307, 11.8203, 1.9797

Deuteranopia

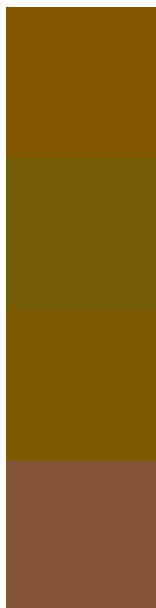
11.9955, 11.8652, 1.6580



Tritanopia

14.7704, 11.8901, 10.7490

Trichromacy



Original Color

12.8498, 11.8047, 1.6013

Protanomaly

11.3717, 11.8005, 1.8507

Deuteranomaly

12.3453, 11.9178, 1.6497

Tritanomaly

13.7156, 11.6945, 5.2758

Monochromacy



Original Color

12.8498, 11.8047, 1.6013

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.3637, 10.6820, 5.5186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8498, 11.8047, 1.6013 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(131, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(131, 88, 0)  
}
```

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(131, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 88, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.8498, 11.8047, 1.6013 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(131, 88, 0) }
```


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

```
.border{ border-color:rgb(131, 88, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 88, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(131, 88, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.8498, 11.8047, 1.6013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 88, 0) }
```

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

```
.background{ background-color: rgb(131, 88,  
0) }
```

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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