

Converting Colors

XYZ(12.9310, 8.1682, 1.2117)

Have a look what the booklet for
XYZ(12.9310, 8.1682, 1.2117)
contains.

XYZ(12.9310, 8.1682, 1.2117)	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(12.9310, 8.1682,
1.2117)**

Conversions

Conversions Part 1

Format	Color
Hex	922F0B
RGB	146, 47, 11
RGB Percent	57%, 18%, 4%
CMY	0.4275, 0.8157, 0.9569
CMYK	0.00, 0.68, 0.92, 0.43
HSL	16°, 86%, 31%
HSV	16°, 92%, 57%
XYZ	12.9310, 8.1682, 1.2117
YIQ	72.4970, 70.5600, 9.7920

Conversions

Conversions Part 2

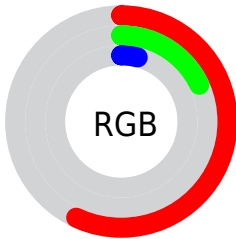
Format	Color
R_{YB}	146, 60, 11
Decimal	9580299
CIE _{Lab}	34.33, 40.22, 42.13
CIE _{LCh}	34, 58.239, 46.328
Yxy	8.1682, 0.5796, 0.3661
Android (android.graphics.Color)	4287770379 (0xFF922F0B)
YUV	72.4970, -30.3180, 64.4621
Hunter-Lab	28.5801, 30.7469, 17.4923

Details

The XYZ color **12.9310, 8.1682, 1.2117** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.9017, 13.2972, 29.1860**, and the grayscale version is **6.2882, 6.6157, 7.2044**.

A 20% lighter version of the original color is **30.8635, 22.3063, 6.6818**, and **3.9305, 2.0262, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **12.5775, 7.5580, 0.7959**, and if you desaturate by 10%, it is **13.5346, 9.1810, 2.0129**.

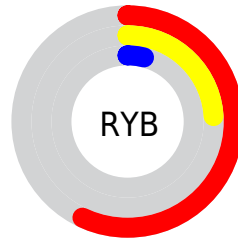
Distribution



Red (57%)

Green (18%)

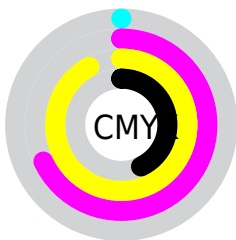
Blue (4%)



Red (57%)

Yellow (24%)

Blue (4%)

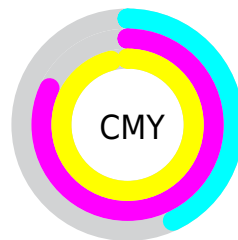


Cyan (0%)

Magenta (68%)

Yellow (92%)

Black (43%)



Cyan (43%)

Magenta (82%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9310, 8.1682, 1.2117 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 12.9310, 8.1682, 1.2117 by changing the saturation by 10% instead.

■ 12.9310, 8.1682,
1.2117

■ 12.9310, 8.1682,
1.2117

■ 204.1215,
177.0454, 108.5966

■ 7.4577, 4.2028,
0.0000

■ 30.7821, 22.2875,
6.7449

■ 3.7988, 1.7876,
0.0000

■ 43.8907, 33.2102,
12.1837

■ 1.5890, 0.4794,
0.0000

■ 60.2751, 47.2208,
19.9621

■ 0.3852, 0.0000,
0.0000

■ 80.3006, 64.7036,
30.4987


■ 0.0000, 0.0000,
0.0000


■ 104.3327, 86.0431,
44.2118


■ 132.7366,

111.6236, 61.5202


 165.8778,
141.8296, 82.8423


 12.9310, 8.1682,
1.2117


 12.9310, 8.1682,
1.2117


 12.5775, 7.5580,
0.7959

 13.5346, 9.1810,
2.0129

 14.3330, 10.4506,
3.2873

 15.3438, 11.9949,
5.0961

 16.5826, 13.8294,
7.4912

 18.0631, 15.9687,
10.5181

■ 19.7981, 18.4262,
14.2179

■ 21.7992, 21.2143,
18.6281

■ 24.0776, 24.3450,
23.7836

■ 26.6434, 27.8295,
29.7168

Harmonies

Analogous

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



15.4426, 8.1682, 4.7496



12.9310, 8.1682, 1.2117



9.3372, 8.1682, 0.1819

Triad

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



12.9310, 8.1682, 1.2117



3.1352, 8.1682, 5.2972



9.6575, 8.1682, 39.5227

Complementary

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



12.9310, 8.1682, 1.2117



10.9017, 13.2972, 29.1860

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.



6.3776, 8.1682, 40.1063



12.9310, 8.1682, 1.2117



3.1764, 8.1682, 14.9378

Square

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



12.9310, 8.1682, 1.2117



4.0624, 8.1682, 1.3739



4.1970, 8.1682, 29.1509



13.2212, 8.1682, 27.8746

Rectangle

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



12.9310, 8.1682, 1.2117



7.0946, 8.1682, 0.0913



4.1970, 8.1682, 29.1509



8.4734, 8.1682, 41.2032

Sweetspot

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



12.9312, 8.1687, 1.2118



36.2455, 34.3528, 27.9623



14.7882, 7.4761, 15.4155



7.7713, 7.2335, 5.5831



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.9312, 8.1687, 1.2118



22.0666, 13.0898, 1.3635



17.9883, 18.2829, 2.8975



5.9192, 6.0521, 6.0967



11.0847, 6.6838, 0.7059



0.1572, 0.1249, 0.0158

Inverse Universe

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



10.9017, 13.2972, 29.1860



18.2948, 21.9451, 51.2451



6.1722, 3.8382, 27.6095



5.8346, 6.3032, 7.3789



9.2169, 11.1287, 25.5933



0.1371, 0.1847, 0.3213

Previews

White Background



This preview shows how the XYZ color 12.9310, 8.1682, 1.2117 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 12.9310, 8.1682, 1.2117

Background



This preview shows how black text looks on a background with the XYZ color 12.9310, 8.1682, 1.2117.



This preview shows how white text looks on a background with the XYZ color 12.9310, 8.1682,

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

12.9310, 8.1682, 1.2117

Protanopia

7.5572, 8.3604, 1.8772

Deuteranopia

8.3179, 8.3323, 1.1699



Tritanopia

13.4264, 8.2017, 3.4602

Trichromacy



Original Color

12.9310, 8.1682, 1.2117

Protanomaly

8.9114, 7.7415, 1.5549

Deuteranomaly

9.6368, 7.9450, 1.1405

Tritanomaly

13.2455, 8.1896, 2.3215

Monochromacy



Original Color

12.9310, 8.1682, 1.2117

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

7.6646, 6.6064, 3.8888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9310, 8.1682, 1.2117 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(146, 47, 11)` looks like.

```
.text, #text, p{  
    color:rgb(146, 47, 11)  
}
```

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(146, 47, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 47, 11) }
```

Border

The CSS property to change the border of an element to XYZ 12.9310, 8.1682, 1.2117 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(146, 47, 11) }
```


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

```
.border{ border-color:rgb(146, 47, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 47, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 47, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 47, 11);  
box-shadow:4px 4px 4px 4px rgb(146, 47,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9310, 8.1682, 1.2117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 47, 11) }
```

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

```
.background{ background-color: rgb(146, 47,  
11) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor