

Converting Colors

XYZ(13.1981, 8.5213, 1.3059)

Have a look what the booklet for
XYZ(13.1981, 8.5213, 1.3059)
contains.

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Color

**XYZ(13.2828, 8.5972,
1.3072)**

Conversions

Conversions Part 1

Format	Color
Hex	93330C
RGB	147, 51, 12
RGB Percent	58%, 20%, 5%
CMY	0.4235, 0.8000, 0.9529
CMYK	0.00, 0.65, 0.92, 0.42
HSL	17°, 85%, 31%
HSV	17°, 92%, 58%
XYZ	13.2828, 8.5972, 1.3072
YIQ	75.2580, 69.7350, 8.2230

Conversions

Conversions Part 2

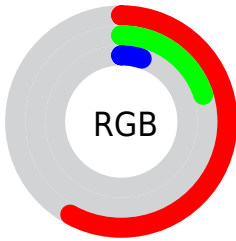
Format	Color
R_{YB}	147, 67, 12
Decimal	9646860
CIE _{Lab}	35.20, 38.79, 42.47
CIE _{LCh}	35, 57.524, 47.594
Yxy	8.5972, 0.5729, 0.3708
Android (android.graphics.Color)	4287836940 (0xFF93330C)
YUV	75.2580, -31.1862, 62.9177
Hunter-Lab	29.3210, 29.5512, 17.8814

Details

The XYZ color **13.2828, 8.5972, 1.3072** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.7802, 12.9091, 29.5271**, and the grayscale version is **6.7807, 7.1338, 7.7687**.

A 20% lighter version of the original color is **31.2991, 23.0944, 7.0830**, and **4.0245, 2.0747, 0.1883** is the 20% darker color. If you saturate the color by 10%, you get **12.8773, 7.8925, 0.8447**, and if you desaturate by 10%, it is **13.9203, 9.6674, 2.1513**.

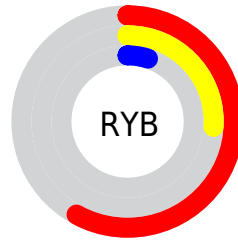
Distribution



Red (58%)

Green (20%)

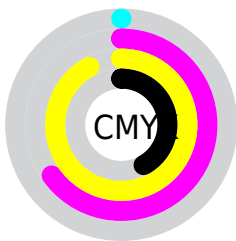
Blue (5%)



Red (58%)

Yellow (26%)

Blue (5%)

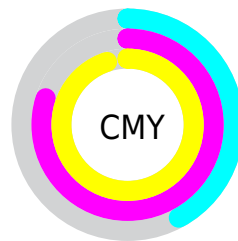


Cyan (0%)

Magenta (65%)

Yellow (92%)

Black (42%)



Cyan (42%)

Magenta (80%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2828, 8.5972, 1.3072 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 13.2828, 8.5972, 1.3072 by changing the saturation by 10% instead.

■ 13.2828, 8.5972,
1.3072

■ 13.2828, 8.5972,
1.3072

■ 206.3234,
180.3439, 110.4717

■ 7.7019, 4.4794,
0.0677

■ 31.4079, 23.1211,
7.0415

■ 3.9550, 1.9452,
0.0000

■ 44.6829, 34.2961,
12.6226

■ 1.6767, 0.5753,
0.0000

■ 61.2532, 48.5922,
20.5710

■ 0.4416, 0.0000,
0.0000

■ 81.4843, 66.3938,
31.3052

■ 0.0000, 0.0000,
0.0000

■ 105.7415, 88.0854,
45.2439

■ 134.3902,


114.0514, 62.8055


 167.7957,
144.6761, 84.4086


 13.2828, 8.5972,
1.3072


 13.2828, 8.5972,
1.3072


 12.8773, 7.8925,
0.8447

 13.9203, 9.6674,
2.1513

 14.7515, 10.9892,
3.4785

 15.7937, 12.5792,
5.3501

 17.0618, 14.4520,
7.8183

 18.5694, 16.6212,
10.9288

■ 20.3287, 19.0992,
14.7230

■ 22.3511, 21.8979,
19.2388

■ 24.6474, 25.0285,
24.5112

■ 27.2275, 28.5015,
30.5730

Harmonies

Analogous

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



15.9016, 8.5972, 4.8473



13.2828, 8.5972, 1.3072



9.6226, 8.5972, 0.3148

Triad

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



13.2828, 8.5972, 1.3072



3.3844, 8.5972, 5.9538



10.2591, 8.5972, 39.8867

Complementary

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



13.2828, 8.5972, 1.3072



10.7802, 12.9091, 29.5271

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.



6.8739, 8.5972, 41.0240



13.2828, 8.5972, 1.3072



3.4683, 8.5972, 16.0538

Square

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



13.2828, 8.5972, 1.3072



4.3029, 8.5972, 1.6485



4.5751, 8.5972, 30.4193



13.8562, 8.5972, 27.9215

Rectangle

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



13.2828, 8.5972, 1.3072



7.3557, 8.5972, 0.2562



4.5751, 8.5972, 30.4193



9.0452, 8.5972, 41.7428

Sweetspot

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



13.2830, 8.5977, 1.3073



37.5339, 35.7738, 28.8578



14.9109, 7.5648, 15.0719



8.2569, 7.7330, 5.9011



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.2830, 8.5977, 1.3073



22.9272, 13.8655, 1.4679



18.5480, 19.1276, 3.0623



5.9292, 6.0722, 6.1000



11.1832, 6.8808, 0.7387



0.1597, 0.1298, 0.0166

Inverse Universe

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



10.7802, 12.9091, 29.5271



18.2349, 21.3793, 52.6001



6.2198, 3.7881, 28.0069



5.8240, 6.2820, 7.3753



8.9256, 10.5459, 25.4962



0.1346, 0.1798, 0.3205

Previews

White Background



This preview shows how the XYZ color 13.2828, 8.5972, 1.3072 looks on a white background.

Color Contrast Check

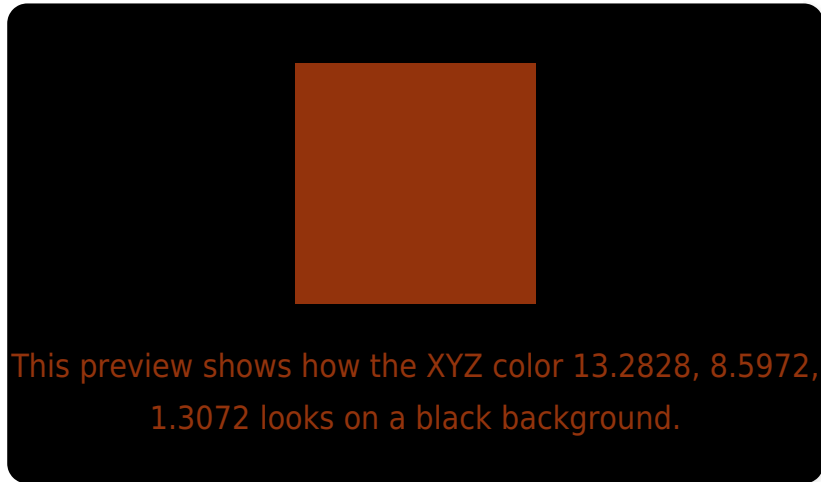
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2828, 8.5972, 1.3072

Background



This preview shows how black text looks on a background with the XYZ color 13.2828, 8.5972, 1.3072.



This preview shows how white text looks on a background with the XYZ color 13.2828, 8.5972,

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

13.2828, 8.5972, 1.3072

Protanopia

7.9218, 8.7745, 1.9856

Deuteranopia

8.8125, 8.8015, 1.2344



Tritanopia

13.8454, 8.6401, 3.9556

Trichromacy



Original Color

13.2828, 8.5972, 1.3072

Protanomaly

9.2366, 8.1891, 1.6661

Deuteranomaly

10.0352, 8.3300, 1.1938

Tritanomaly

13.6295, 8.6199, 2.6145

Monochromacy



Original Color

13.2828, 8.5972, 1.3072

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

7.9349, 6.9111, 4.1646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2828, 8.5972, 1.3072 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(147, 51, 12)` looks like.

```
.text, #text, p{  
    color:rgb(147, 51, 12)  
}
```

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(147, 51, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 51, 12) }
```

Border

The CSS property to change the border of an element to XYZ 13.2828, 8.5972, 1.3072 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(147, 51, 12) }
```


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

```
.border{ border-color:rgb(147, 51, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 51, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 51, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 51, 12);  
box-shadow:4px 4px 4px 4px rgb(147, 51,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2828, 8.5972, 1.3072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 51, 12) }
```

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

```
.background{ background-color: rgb(147, 51,  
12) }
```

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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