

Converting Colors

XYZ(13.2867, 11.0758, 1.6541)

Have a look what the booklet for
XYZ(13.2867, 11.0758, 1.6541)
contains.

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Color

**XYZ(13.2290, 11.0732,
1.6698)**

Conversions

Conversions Part 1

Format	Color
Hex	895008
RGB	137, 80, 8
RGB Percent	54%, 31%, 3%
CMY	0.4627, 0.6863, 0.9686
CMYK	0.00, 0.42, 0.94, 0.46
HSL	33°, 89%, 28%
HSV	33°, 94%, 54%
XYZ	13.2290, 11.0732, 1.6698
YIQ	88.8350, 57.0840, -10.3080

Conversions

Conversions Part 2

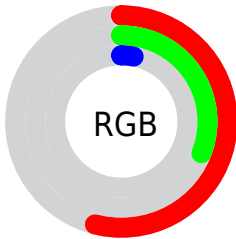
Format	Color
RYB	110, 137, 8
Decimal	8998920
CIELab	39.70, 19.02, 46.35
CIELCh	40, 50.101, 67.692
Yxy	11.0732, 0.5094, 0.4264
Android (android.graphics.Color)	4287189000 (0xFF895008)
YUV	88.8350, -39.8517, 42.2407
Hunter-Lab	33.2764, 12.7287, 20.3183

Details

The XYZ color **13.2290, 11.0732, 1.6698** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.5057, 5.6381, 24.4121**, and the grayscale version is **9.5358, 10.0324, 10.9253**.

A 20% lighter version of the original color is **31.1982, 27.6395, 8.1055**, and **3.9944, 2.9514, 0.3591** is the 20% darker color. If you saturate the color by 10%, you get **12.9333, 10.5520, 1.3551**, and if you desaturate by 10%, it is **13.7908, 12.0398, 2.3412**.

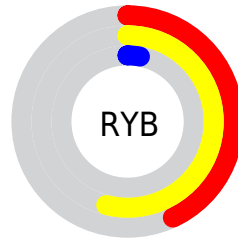
Distribution



Red (54%)

Green (31%)

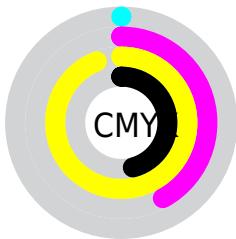
Blue (3%)



Red (43%)

Yellow (54%)

Blue (3%)

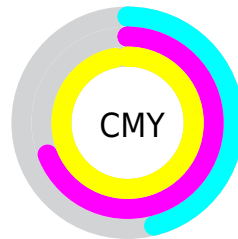


Cyan (0%)

Magenta (42%)

Yellow (94%)

Black (46%)



Cyan (46%)


Magenta (69%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 13.2290, 11.0732, 1.6698 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 13.2290, 11.0732, 1.6698 by changing the saturation by 10% instead.


 13.2290, 11.0732,
1.6698


 13.2290, 11.0732,
1.6698


 205.9882,
198.1691, 117.0183


 7.6645, 6.1161,
0.3399


 31.3124, 27.7954,
8.1167


 3.9310, 2.9158,
0.0000

 44.5620, 40.3294,
14.1958


 1.6632, 1.0879,
0.0000

 61.1041, 56.1577,
22.7368

 0.4331, 0.0000,
0.0000


 81.3039, 75.6648,
34.1581


 0.0000, 0.0000,
0.0000


 105.5269, 99.2351,
48.8784


 134.1384,


127.2530, 67.3162


 167.5037,
160.1028, 89.8900


 13.2290, 11.0732,
1.6698


 13.2290, 11.0732,
1.6698


 12.9333, 10.5520,
1.3551

 13.7908, 12.0398,
2.3412

 14.4625, 13.1155,
3.3909

 15.2560, 14.3069,
4.8745

 16.1803, 15.6193,
6.8358

 17.2436, 17.0573,
9.3130

■ 18.4532, 18.6253,
12.3405

■ 19.8160, 20.3274,
15.9498

■ 21.3381, 22.1674,
20.1700

■ 23.0256, 24.1490,
25.0279

Harmonies

Analogous

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



16.6465, 11.0732, 3.8086



13.2290, 11.0732, 1.6698



9.6673, 11.0732, 1.3588

Triad

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



13.2290, 11.0732, 1.6698



5.2527, 11.0732, 14.7627



15.0888, 11.0732, 33.9997

Complementary

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



13.2290, 11.0732, 1.6698



6.5057, 5.6381, 24.4121

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.



11.4314, 11.0732, 42.0886



13.2290, 11.0732, 1.6698



6.1247, 11.0732, 27.6642

Square

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



13.2290, 11.0732, 1.6698



5.5304, 11.0732, 6.2190



8.2167, 11.0732, 39.2936



17.8725, 11.0732, 20.7312

Rectangle

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



13.2290, 11.0732, 1.6698



7.7503, 11.0732, 1.8784



8.2167, 11.0732, 39.2936



13.8930, 11.0732, 37.6702

Sweetspot

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



13.2292, 11.0738, 1.6700



34.3642, 35.0136, 25.5491



11.3882, 5.8860, 5.6981



7.5044, 7.5982, 5.1958



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.2292, 11.0738, 1.6700



22.9970, 18.5682, 2.3719



18.2799, 22.6981, 3.6475



5.2492, 5.4812, 5.3337



12.0595, 9.8533, 1.2663



0.0947, 0.0947, 0.0133

Inverse Universe

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



6.5057, 5.6381, 24.4121



10.8726, 8.8074, 43.5101



4.7904, 2.0769, 23.8151



4.9446, 5.2322, 6.3551



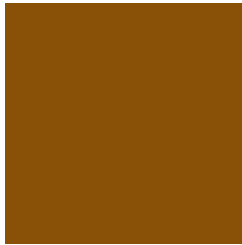
5.7489, 4.7681, 22.6630



0.0524, 0.0601, 0.1553

Previews

White Background



This preview shows how the XYZ color 13.2290, 11.0732, 1.6698 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 13.2290, 11.0732, 1.6698

Background



This preview shows how black text looks on a background with the XYZ color 13.2290, 11.0732, 1.6698.



This preview shows how white text looks on a background with the XYZ color 13.2290, 11.0732,

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

13.2290, 11.0732, 1.6698

Protanopia

10.0192, 11.0986, 1.9950

Deuteranopia

11.1801, 11.0667, 1.5468



Tritanopia

14.7120, 11.0522, 8.9473

Trichromacy



Original Color

13.2290, 11.0732, 1.6698

Protanomaly

10.9689, 10.9508, 1.8522

Deuteranomaly

11.9484, 11.0978, 1.5985

Tritanomaly

13.8978, 10.9242, 4.8661

Monochromacy



Original Color

13.2290, 11.0732, 1.6698

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.0873, 10.0460, 5.6824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2290, 11.0732, 1.6698 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(137, 80, 8)` looks like.

```
.text, #text, p{  
    color:rgb(137, 80, 8)  
}
```

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(137, 80, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 80, 8) }
```

Border

The CSS property to change the border of an element to XYZ 13.2290, 11.0732, 1.6698 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(137, 80, 8) }
```


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

```
.border{ border-color:rgb(137, 80, 8) }
```

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

Here you see how a box with a 4 pixel rgb(137, 80, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 80, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 80, 8);  
box-shadow:4px 4px 4px 4px rgb(137, 80, 8)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.2290, 11.0732, 1.6698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 80, 8) }
```

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

```
.background{ background-color: rgb(137, 80,  
8) }
```

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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