

Converting Colors

XYZ(33.8892, 17.8966, 1.6682)

Have a look what the booklet for
XYZ(33.8892, 17.8966, 1.6682)
contains.

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Color

**XYZ(33.8912, 17.8975,
1.6683)**

Conversions

Conversions Part 1

Format	Color
Hex	E91600
RGB	233, 22, 0
RGB Percent	91%, 9%, 0%
CMY	0.0863, 0.9136, 1.0000
CMYK	0.00, 0.91, 1.00, 0.09
HSL	6°, 100%, 46%
HSV	6°, 100%, 91%
XYZ	33.8912, 17.8975, 1.6683
YIQ	82.5810, 132.8180, 37.8900

Conversions

Conversions Part 2

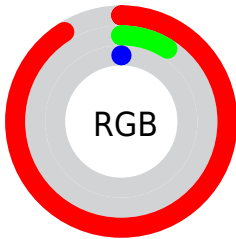
Format	Color
RYB	233, 24, 0
Decimal	15275520
CIELab	49.37, 72.78, 63.03
CIElCh	49, 96.285, 40.895
Yxy	17.8975, 0.6340, 0.3348
Android (android.graphics.Color)	4293465600 (0xFFE91600)
YUV	82.5810, -40.7124, 131.9175
Hunter-Lab	42.3054, 68.9632, 27.2757

Details

The XYZ color **33.8912, 17.8975, 1.6683** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **37.9936, 52.4547, 85.2124**, and the grayscale version is **8.2016, 8.6288, 9.3967**.

A 20% lighter version of the original color is **46.2532, 30.1048, 7.2439**, and **15.9363, 8.2155, 0.7458** is the 20% darker color. If you saturate the color by 10%, you get **33.8915, 17.8986, 1.6685**, and if you desaturate by 10%, it is **34.6303, 19.1239, 2.6926**.

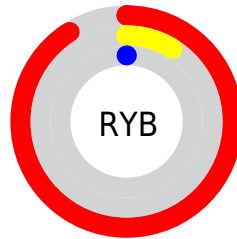
Distribution



Red (91%)

Green (9%)

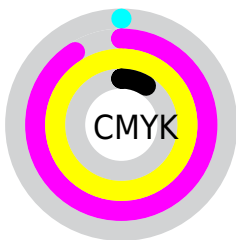
Blue (0%)



Red (91%)

Yellow (9%)

Blue (0%)

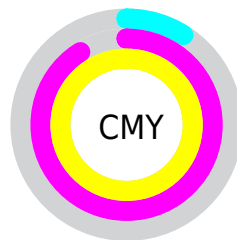


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (91%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8912, 17.8975, 1.6683 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 33.8912, 17.8975, 1.6683 by changing the saturation by 10% instead.

 33.8912, 17.8975,
1.6683


 33.8912, 17.8975,
1.6683


 311.2411,
240.2927, 116.9928


 22.9725, 10.8764,
0.3389


 65.1099, 39.8626,
8.1124

 14.6938, 5.9838,
0.0000


 86.1405, 55.5754,
14.1895


 8.6897, 2.8352,
0.0000


 111.2726, 74.9542,
22.7282

 4.5948, 1.0463,
0.0000

 140.8714, 98.3835,
34.1469

 2.0438, 0.0000,
0.0000

 175.3023,
126.2476, 48.8642


 0.6584, 0.0000,
0.0000


 214.9307,


 0.0000, 0.0000,


158.9309, 67.2986


0.0000


 260.1218,
196.8178, 89.8686


 33.8912, 17.8975,
1.6683


 33.8912, 17.8975,
1.6683


 33.8915, 17.8986,
1.6685

 34.6303, 19.1239,
2.6926

 35.9553, 21.2181,
4.8478

 37.9805, 24.3127,
8.4690

 40.7862, 28.5124,
13.7565

 44.4420, 33.9089,
20.8789

■ 49.0094, 40.5841,
29.9845

■ 54.5444, 48.6126,
41.2061

■ 61.0984, 58.0633,
54.6652

■ 68.7190, 69.0006,
70.4740

Harmonies

Analogous

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



40.5240, 17.8975, 11.4900



33.8912, 17.8975, 1.6683



23.3809, 17.8975, 0.0000

Triad

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



33.8912, 17.8975, 1.6683



5.2810, 17.8975, 7.2855



20.5244, 17.8975, 121.1744

Complementary

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



33.8912, 17.8975, 1.6683



37.9936, 52.4547, 85.2124

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.



11.9179, 17.8975, 115.0233



33.8912, 17.8975, 1.6683



4.9902, 17.8975, 30.5328

Square

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



33.8912, 17.8975, 1.6683



7.9581, 17.8975, 0.8627



6.9408, 17.8975, 73.8780



31.1719, 17.8975, 86.8662

Rectangle

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



33.8912, 17.8975, 1.6683



16.7402, 17.8975, 0.0000



6.9408, 17.8975, 73.8780



17.2848, 17.8975, 124.2229

Sweetspot

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



33.8916, 17.8986, 1.6685



66.8292, 59.5004, 50.3456



45.6884, 22.1573, 65.2080



13.6579, 11.7997, 9.4608



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.8916, 17.8986, 1.6685



41.5690, 21.9180, 2.0397



42.3964, 34.9084, 4.5035



15.1800, 15.2830, 15.6686



19.2701, 10.2345, 0.9598



1.5522, 0.8818, 0.0884

Inverse Universe

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



37.9936, 52.4547, 85.2124



46.5940, 64.3080, 104.5647



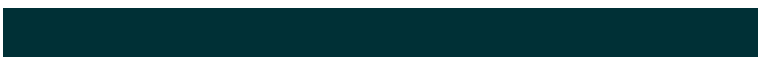
18.9903, 14.4480, 78.8780



15.3888, 16.8641, 19.3663



21.6084, 29.8638, 48.3684



1.7323, 2.4160, 3.8099

Previews

White Background



This preview shows how the XYZ color 33.8912, 17.8975, 1.6683 looks on a white background.

Color Contrast Check

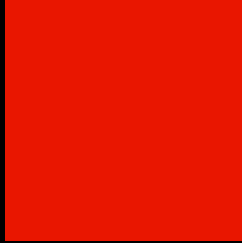
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8912, 17.8975, 1.6683 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8912, 17.8975, 1.6683

Background



This preview shows how black text looks on a background with the XYZ color 33.8912, 17.8975, 1.6683.



This preview shows how white text looks on a background with the XYZ color 33.8912, 17.8975,

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

33.8912, 17.8975, 1.6683

Protanopia

16.5040, 18.2739, 3.8857

Tritanopia

33.9405, 17.9172, 1.9279

Trichromacy



Original Color

33.8912, 17.8975, 1.6683

Protanomaly

19.6501, 14.8227, 2.4415

Tritanomaly

33.9241, 17.9106, 1.8414

Monochromacy



Original Color

33.8912, 17.8975, 1.6683

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

12.7926, 8.9978, 4.4307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8912, 17.8975, 1.6683 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(233, 22, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 22, 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(233, 22, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 22, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.8912, 17.8975, 1.6683 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(233, 22, 0) }
```

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

```
.border{ border-color:rgb(233, 22, 0) }
```

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

Here you see how a box with a 4 pixel rgb(233, 22, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 22, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 22, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 22, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 33.8912, 17.8975, 1.6683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 22, 0) }
```

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

```
.background{ background-color: rgb(233, 22,  
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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