

Converting Colors

XYZ(33.0725, 17.7017, 1.6737)

Have a look what the booklet for
XYZ(33.0725, 17.7017, 1.6737)
contains.

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Color

**XYZ(33.0725, 17.7017,
1.6737)**

Conversions

Conversions Part 1

Format	Color
Hex	E61D00
RGB	230, 29, 0
RGB Percent	90%, 11%, 0%
CMY	0.0980, 0.8862, 1.0000
CMYK	0.00, 0.87, 1.00, 0.10
HSL	8°, 100%, 45%
HSV	8°, 100%, 90%
XYZ	33.0725, 17.7017, 1.6737
YIQ	85.7930, 129.1050, 33.5930

Conversions

Conversions Part 2

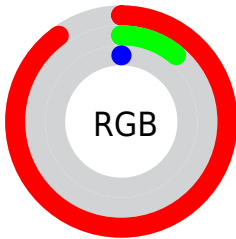
Format	Color
RYB	230, 33, 0
Decimal	15080704
CIELab	49.13, 70.94, 62.57
CIElCh	49, 94.588, 41.414
Yxy	17.7017, 0.6306, 0.3375
Android (android.graphics.Color)	4293270784 (0xFFE61D00)
YUV	85.7930, -42.2959, 126.4695
Hunter-Lab	42.0734, 66.6845, 27.0928

Details

The XYZ color **33.0725, 17.7017, 1.6737** 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 **35.1642, 47.4758, 82.1727**, and the grayscale version is **8.8718, 9.3338, 10.1645**.

A 20% lighter version of the original color is **46.5357, 30.6698, 7.3380**, and **15.3098, 7.8925, 0.7165** is the 20% darker color. If you saturate the color by 10%, you get **33.0728, 17.7027, 1.6738**, and if you desaturate by 10%, it is **33.8910, 19.0916, 2.7096**.

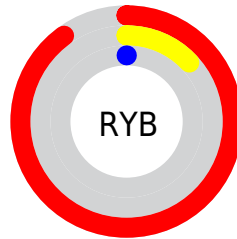
Distribution



Red (90%)

Green (11%)

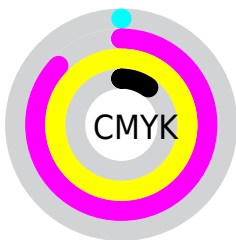
Blue (0%)



Red (90%)

Yellow (13%)

Blue (0%)

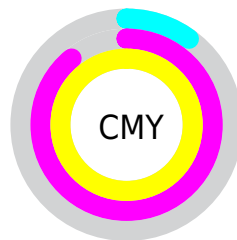


Cyan (0%)

Magenta (87%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (89%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0725, 17.7017, 1.6737 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 33.0725, 17.7017, 1.6737 by changing the saturation by 10% instead.

 33.0725, 17.7017,
1.6737


 33.0725, 17.7017,
1.6737


 307.6355,
239.1843, 117.0846


 22.3415, 10.7360,
0.3426


 63.8426, 39.5284,
8.1278


 14.2260, 5.8896,
0.0000


 84.6124, 55.1582,
14.2120

 8.3608, 2.7781,
0.0000


 109.4593, 74.4448,
22.7590

 4.3804, 1.0170,
0.0000

 138.7484, 97.7727,
34.1873

 1.9195, 0.0000,
0.0000

 172.8453,
125.5261, 48.9155


 0.5881, 0.0000,
0.0000


 212.1151,


 0.0000, 0.0000,


158.0896, 67.3620


0.0000


 256.9234,
195.8475, 89.9456


 33.0725, 17.7017,
1.6737


 33.0725, 17.7017,
1.6737


 33.0728, 17.7027,
1.6738

 33.8910, 19.0916,
2.7096

 35.2678, 21.3036,
4.8382

 37.3060, 24.4504,
8.3838

 40.0779, 28.6218,
13.5381

 43.6456, 33.8969,
20.4628

■ 48.0649, 40.3467,
29.3001

■ 53.3863, 48.0366,
40.1776

■ 59.6564, 57.0268,
53.2118

■ 66.9186, 67.3739,
68.5104

Harmonies

Analogous

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



39.6058, 17.7017, 11.1533



33.0725, 17.7017, 1.6737



22.8482, 17.7017, 0.0000

Triad

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



33.0725, 17.7017, 1.6737



5.3056, 17.7017, 7.5453



20.4196, 17.7017, 117.2792

Complementary

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



33.0725, 17.7017, 1.6737



35.1642, 47.4758, 82.1727

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.



11.9658, 17.7017, 112.1013



33.0725, 17.7017, 1.6737



5.0545, 17.7017, 30.6080

Square

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



33.0725, 17.7017, 1.6737



7.8965, 17.7017, 0.9630



7.0224, 17.7017, 72.7756



30.7676, 17.7017, 83.7304

Rectangle

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



33.0725, 17.7017, 1.6737



16.4089, 17.7017, 0.0000



7.0224, 17.7017, 72.7756



17.2480, 17.7017, 120.4685

Sweetspot

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



33.0729, 17.7028, 1.6739



67.3421, 60.5264, 50.5166



43.4322, 21.1427, 58.3957



13.7749, 12.0337, 9.4998



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.



33.0729, 17.7028, 1.6739



41.7613, 22.3026, 2.1038



42.2812, 36.1195, 4.7434



14.5228, 14.6595, 14.9686



18.7721, 10.1183, 0.9636



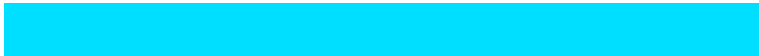
1.4351, 0.8435, 0.0872

Inverse Universe

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



35.1642, 47.4758, 82.1727



44.3904, 59.9008, 103.8301



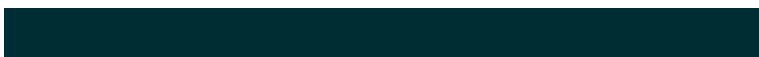
17.7864, 12.7202, 76.3801



14.6441, 16.0097, 18.4627



19.9706, 27.0034, 46.5428



1.5194, 2.0827, 3.4539

Previews

White Background



This preview shows how the XYZ color 33.0725, 17.7017, 1.6737 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 33.0725, 17.7017, 1.6737 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 33.0725, 17.7017, 1.6737

Background



This preview shows how black text looks on a background with the XYZ color 33.0725, 17.7017, 1.6737.



This preview shows how white text looks on a background with the XYZ color 33.0725, 17.7017,

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

33.0725, 17.7017, 1.6737

Protanopia

16.2159, 17.9511, 3.7726

Tritanopia

33.1932, 17.7114, 2.4282

Trichromacy



Original Color

33.0725, 17.7017, 1.6737

Protanomaly

19.5854, 15.0241, 2.4399

Tritanomaly

33.1276, 17.6852, 2.0830

Monochromacy



Original Color

33.0725, 17.7017, 1.6737

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

13.0611, 9.4597, 4.7519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0725, 17.7017, 1.6737 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(230, 29, 0)` looks like.

```
.text, #text, p{  
    color:rgb(230, 29, 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(230, 29, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 29, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.0725, 17.7017, 1.6737 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(230, 29, 0) }
```

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

```
.border{ border-color:rgb(230, 29, 0) }
```

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

Here you see how a box with a 4 pixel rgb(230, 29, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 29, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 29, 0);  
box-shadow:4px 4px 4px 4px rgb(230, 29, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 33.0725, 17.7017, 1.6737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 29, 0) }
```

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

```
.background{ background-color: rgb(230, 29,  
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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