

Converting Colors

XYZ(33.2957, 17.1658, 1.5584)

Have a look what the booklet for
XYZ(33.2957, 17.1658, 1.5584)
contains.

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Color

**XYZ(33.2787, 17.1558,
1.5574)**

Conversions

Conversions Part 1

Format	Color
Hex	E80000
RGB	232, 0, 0
RGB Percent	91%, 0%, 0%
CMY	0.0902, 0.9998, 1.0000
CMYK	0.00, 1.00, 1.00, 0.09
HSL	0°, 100%, 45%
HSV	0°, 100%, 91%
XYZ	33.2787, 17.1558, 1.5574
YIQ	69.3680, 138.2720, 49.1840

Conversions

Conversions Part 2

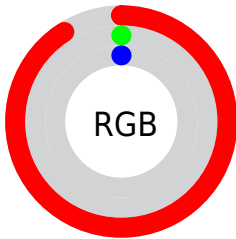
Format	Color
RYB	232, 0, 0
Decimal	15204352
CIELab	48.46, 74.58, 62.58
CIELCh	48, 97.360, 40.000
Yxy	17.1558, 0.6401, 0.3300
Android (android.graphics.Color)	4293394432 (0xFFE80000)
YUV	69.3680, -34.1984, 142.6283
Hunter-Lab	41.4196, 70.9323, 26.7644

Details

The XYZ color **33.2787, 17.1558, 1.5574** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **43.4056, 63.5067, 86.3136**, and the grayscale version is **5.7607, 6.0607, 6.6001**.

A 20% lighter version of the original color is **45.6949, 29.0277, 6.9359**, and **15.5170, 7.9993, 0.7262** is the 20% darker color. If you saturate the color by 10%, you get **33.2790, 17.1569, 1.5576**, and if you desaturate by 10%, it is **33.7465, 17.8412, 2.4862**.

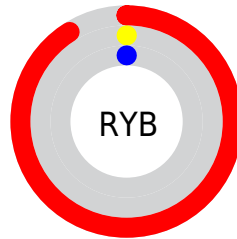
Distribution



Red (91%)

Green (0%)

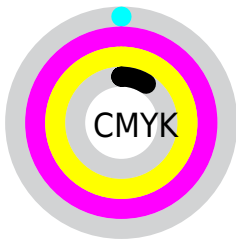
Blue (0%)



Red (91%)

Yellow (0%)

Blue (0%)

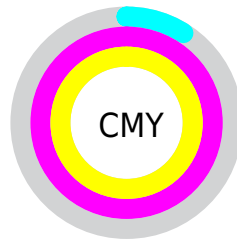


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (100%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2787, 17.1558, 1.5574 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 33.2787, 17.1558, 1.5574 by changing the saturation by 10% instead.


 33.2787, 17.1558,
1.5574


 33.2787, 17.1558,
1.5574


 308.5465,
236.0686, 115.0741


 22.5003, 10.3456,
0.2601


 64.1622, 38.5935,
7.7911


 14.3436, 5.6287,
0.0000


 84.9979, 53.9897,
13.7220


 8.4433, 2.6207,
0.0000


 109.9169, 73.0168,
22.0872

 4.4341, 0.9371,
0.0000

 139.2844, 96.0592,
33.3050

 1.9505, 0.0000,
0.0000

 173.4657,
123.5011, 47.7941


 0.6059, 0.0000,
0.0000


 212.8263,


 0.0000, 0.0000,


155.7271, 65.9729


0.0000


 257.7314,
193.1214, 88.2601


 33.2787, 17.1558,
1.5574


 33.2787, 17.1558,
1.5574


 33.2790, 17.1569,
1.5576

 33.7465, 17.8412,
2.4862

 34.7740, 19.3451,
4.5275

 36.5391, 21.9283,
8.0351

 39.1452, 25.7421,
13.2151

 42.6795, 30.9140,
20.2405

■ 47.2182, 37.5554,
29.2630

■ 52.8295, 45.7663,
40.4184

■ 59.5759, 55.6380,
53.8308

■ 67.5150, 67.2547,
69.6146

Harmonies

Analogous

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



39.6847, 17.1558, 11.3855



33.2787, 17.1558, 1.5574



22.8999, 17.1558, 0.0000

Triad

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



33.2787, 17.1558, 1.5574



4.9196, 17.1558, 6.4172



19.4678, 17.1558, 120.7402

Complementary

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



33.2787, 17.1558, 1.5574



43.4056, 63.5067, 86.3136

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.



11.1177, 17.1558, 113.2168



33.2787, 17.1558, 1.5574



4.5799, 17.1558, 28.5680

Square

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



33.2787, 17.1558, 1.5574



7.5827, 17.1558, 0.6266



6.3839, 17.1558, 71.3451



29.9937, 17.1558, 87.1750

Rectangle

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



33.2787, 17.1558, 1.5574



16.3060, 17.1558, 0.0000



6.3839, 17.1558, 71.3451



16.3061, 17.1558, 123.3469

Sweetspot

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



33.2791, 17.1569, 1.5576



65.3500, 56.5421, 49.8526



47.8438, 22.9818, 78.2576



13.3229, 11.1298, 9.3491



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.



33.2791, 17.1569, 1.5576



41.2407, 21.2614, 1.9302



39.5238, 29.6464, 3.6392



14.3773, 14.3686, 14.9201



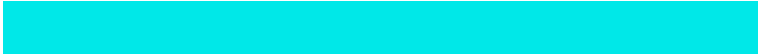
18.4755, 9.5252, 0.8648



1.3654, 0.7041, 0.0639

Inverse Universe

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



43.4056, 63.5067, 86.3136



53.7899, 78.6999, 106.9633



20.8107, 18.3169, 78.7819



14.8072, 16.3358, 18.5170



24.0975, 35.2570, 47.9184



1.7808, 2.6056, 3.5410

Previews

White Background



This preview shows how the XYZ color 33.2787, 17.1558, 1.5574 looks on a white background.

Color Contrast Check

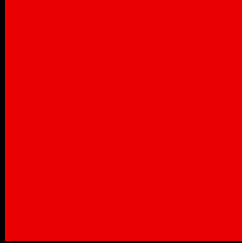
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2787, 17.1558, 1.5574 looks on a 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 33.2787, 17.1558, 1.5574

Background



This preview shows how black text looks on a background with the XYZ color 33.2787, 17.1558, 1.5574.



This preview shows how white text looks on a background with the XYZ color 33.2787, 17.1558,

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

33.2787, 17.1558, 1.5574

Protanopia

15.9557, 17.6416, 3.7925

Deuteranopia

17.7171, 17.5719, 2.4579

Trichromacy



Original Color

33.2787, 17.1558, 1.5574

Protanomaly

18.7148, 13.2694, 2.1910

Deuteranomaly

20.6133, 13.9715, 1.6103

Monochromacy



Original Color

33.2787, 17.1558, 1.5574

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

10.2574, 6.5724, 3.1108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2787, 17.1558, 1.5574 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(232, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 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(232, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.2787, 17.1558, 1.5574 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(232, 0, 0) }
```

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

```
.border{ border-color:rgb(232, 0, 0) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(232, 0, 0); box-shadow:4px  
4px 4px 4px rgb(232, 0, 0) }
```


Background

The CSS property to change the background color of an element to XYZ 33.2787, 17.1558, 1.5574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 0) }
```

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

```
.background{ background-color: rgb(232, 0,  
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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