

Converting Colors

XYZ(33.4747, 17.4273, 1.9151)

Have a look what the booklet for
XYZ(33.4747, 17.4273, 1.9151)
contains.

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Color

**XYZ(33.4588, 17.4193,
1.9154)**

Conversions

Conversions Part 1

Format	Color
Hex	E80B0B
RGB	232, 11, 11
RGB Percent	91%, 4%, 4%
CMY	0.0902, 0.9567, 0.9569
CMYK	0.00, 0.95, 0.95, 0.09
HSL	0°, 91%, 48%
HSV	0°, 95%, 91%
XYZ	33.4588, 17.4193, 1.9154
YIQ	77.0790, 131.7160, 46.8520

Conversions

Conversions Part 2

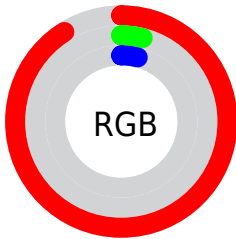
Format	Color
R_{YB}	232, 11, 11
Decimal	15207179
CIE _{Lab}	48.78, 73.80, 59.68
CIE _{LCh}	49, 94.913, 38.962
Yxy	17.4193, 0.6338, 0.3300
Android (android.graphics.Color)	4293397259 (0xFFE80B0B)
YUV	77.0790, -32.5769, 135.8657
Hunter-Lab	41.7364, 70.0591, 26.4945

Details

The XYZ color **33.4588, 17.4193, 1.9154** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **43.5451, 63.5806, 86.3206**, and the grayscale version is **7.1158, 7.4864, 8.1527**.

A 20% lighter version of the original color is **46.1399, 29.6243, 7.9888**, and **15.7259, 8.1070, 0.7360** is the 20% darker color. If you saturate the color by 10%, you get **33.2791, 17.1569, 1.5576**, and if you desaturate by 10%, it is **34.1493, 18.4306, 3.2862**.

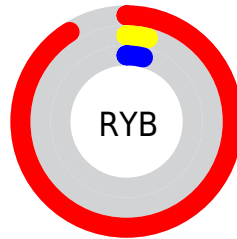
Distribution



Red (91%)

Green (4%)

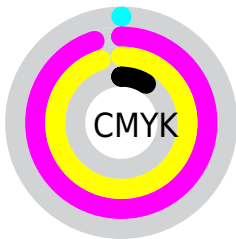
Blue (4%)



Red (91%)

Yellow (4%)

Blue (4%)

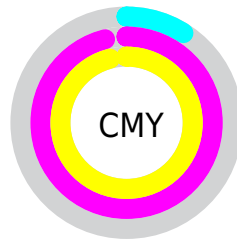


Cyan (0%)

Magenta (95%)

Yellow (95%)

Black (9%)



Cyan (9%)


Magenta (96%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4588, 17.4193, 1.9154 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 33.4588, 17.4193, 1.9154 by changing the saturation by 10% instead.


 33.4588, 17.4193,
1.9154


 33.4588, 17.4193,
1.9154


 309.3406,
237.5772, 121.0490


 22.6391, 10.5339,
0.5025


 64.4411, 39.0453,
8.8082


 14.4464, 5.7544,
0.0000


 85.3343, 54.5547,
15.1950


 8.5156, 2.6963,
0.0000


 110.3161, 73.7075,
24.1000

 4.4812, 0.9753,
0.0000

 139.7518, 96.8882,
35.9420

 1.9778, 0.0000,
0.0000

 174.0067,
124.4811, 51.1393


 0.6214, 0.0000,
0.0000


 213.4463,


 0.0000, 0.0000,


156.8707, 70.1105


0.0000


 258.4358,
194.4412, 93.2743


 33.4588, 17.4193,
1.9154


 33.4588, 17.4193,
1.9154


 33.2791, 17.1569,
1.5576

 34.1493, 18.4306,
3.2862

 35.5121, 20.4253,
5.9944

 37.6643, 23.5748,
10.2717

 40.7004, 28.0178,
16.3066

 44.7020, 33.8734,
24.2612

■ 49.7412, 41.2472,
34.2789

■ 55.8834, 50.2348,
46.4897

■ 63.1884, 60.9238,
61.0128

■ 71.7120, 73.3957,
77.9590

Harmonies

Analogous

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



39.4586, 17.4193, 12.3879



33.4588, 17.4193, 1.9154



23.3868, 17.4193, 0.0000

Triad

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



33.4588, 17.4193, 1.9154



5.2696, 17.4193, 6.3658



19.3281, 17.4193, 118.0308

Complementary

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



33.4588, 17.4193, 1.9154



43.5451, 63.5806, 86.3206

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.



11.2053, 17.4193, 109.3458



33.4588, 17.4193, 1.9154



4.8526, 17.4193, 27.5394

Square

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



33.4588, 17.4193, 1.9154



8.0480, 17.4193, 0.7208



6.5931, 17.4193, 68.5073



29.6028, 17.4193, 86.8733

Rectangle

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



33.4588, 17.4193, 1.9154



16.8643, 17.4193, 0.0000



6.5931, 17.4193, 68.5073



16.2525, 17.4193, 120.0118

Sweetspot

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



33.4592, 17.4204, 1.9156



66.1232, 57.6735, 51.3900



47.9635, 23.2212, 78.2975



13.4681, 11.3421, 9.6377



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.



33.4592, 17.4204, 1.9156



41.2407, 21.2613, 1.9302



40.2372, 30.9765, 4.1750



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.



43.5451, 63.5806, 86.3206



53.7907, 78.7014, 106.9636



21.6017, 19.6940, 79.0061



14.8072, 16.3358, 18.5170



24.0978, 35.2577, 47.9185



1.7808, 2.6056, 3.5410

Previews

White Background



This preview shows how the XYZ color 33.4588, 17.4193, 1.9154 looks on a white background.

Color Contrast Check

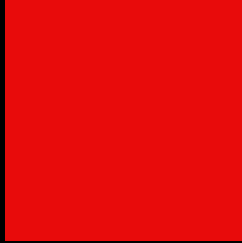
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4588, 17.4193, 1.9154 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 33.4588, 17.4193, 1.9154

Background



This preview shows how black text looks on a background with the XYZ color 33.4588, 17.4193, 1.9154.



This preview shows how white text looks on a background with the XYZ color 33.4588, 17.4193,

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

33.4588, 17.4193, 1.9154

Protanopia

16.2687, 17.9722, 4.0504

Deuteranopia

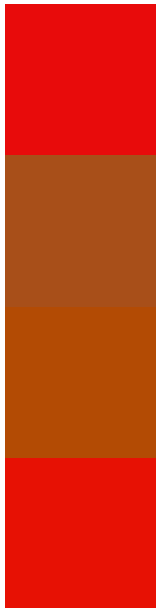
17.8972, 17.6648, 2.4664



Tritanopia

33.2232, 17.5253, 1.6317

Trichromacy



Original Color

33.4588, 17.4193, 1.9154

Protanomaly

19.1199, 13.9870, 2.6117

Deuteranomaly

21.1284, 14.6246, 1.8241

Tritanomaly

33.1774, 17.3986, 1.7245

Monochromacy



Original Color

33.4588, 17.4193, 1.9154

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

11.5886, 7.7898, 4.2610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4588, 17.4193, 1.9154 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, 11, 11)` looks like.

```
.text, #text, p{  
    color:rgb(232, 11, 11)  
}
```

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, 11, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 11, 11) }
```

Border

The CSS property to change the border of an element to XYZ 33.4588, 17.4193, 1.9154 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, 11, 11) }
```


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

```
.border{ border-color:rgb(232, 11, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 11, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 11, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 11, 11);  
box-shadow:4px 4px 4px 4px rgb(232, 11,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4588, 17.4193, 1.9154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 11, 11) }
```

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

```
.background{ background-color: rgb(232, 11,  
11) }
```

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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