

Converting Colors

XYZ(33.5504, 17.6750, 1.6433)

Have a look what the booklet for
XYZ(33.5504, 17.6750, 1.6433)
contains.

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Color

**XYZ(33.5289, 17.6561,
1.6408)**

Conversions

Conversions Part 1

Format	Color
Hex	E81400
RGB	232, 20, 0
RGB Percent	91%, 8%, 0%
CMY	0.0902, 0.9214, 1.0000
CMYK	0.00, 0.91, 1.00, 0.09
HSL	5°, 100%, 45%
HSV	5°, 100%, 91%
XYZ	33.5289, 17.6561, 1.6408
YIQ	81.1080, 132.7720, 38.7240

Conversions

Conversions Part 2

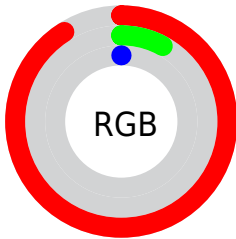
Format	Color
R_{YB}	232, 22, 0
Decimal	15209472
CIE _{Lab}	49.08, 72.79, 62.80
CIE _{LCh}	49, 96.135, 40.787
Yxy	17.6561, 0.6347, 0.3342
Android (android.graphics.Color)	4293399552 (0xFFE81400)
YUV	81.1080, -39.9862, 132.3323
Hunter-Lab	42.0192, 68.8993, 27.0982

Details

The XYZ color **33.5289, 17.6561, 1.6408** 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 **38.1004, 52.8961, 84.5453**, and the grayscale version is **7.9043, 8.3159, 9.0560**.

A 20% lighter version of the original color is **46.1614, 29.9211, 7.2133**, and **15.7259, 8.1070, 0.7360** is the 20% darker color. If you saturate the color by 10%, you get **33.5292, 17.6572, 1.6410**, and if you desaturate by 10%, it is **34.2361, 18.8203, 2.6495**.

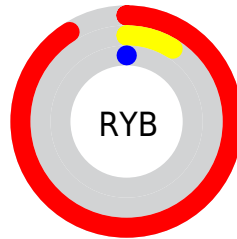
Distribution



Red (91%)

Green (8%)

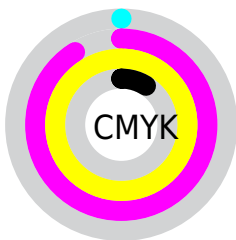
Blue (0%)



Red (91%)

Yellow (9%)

Blue (0%)

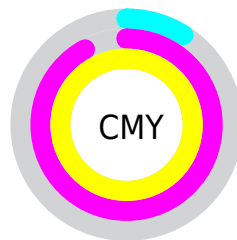


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (92%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5289, 17.6561, 1.6408 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 33.5289, 17.6561, 1.6408 by changing the saturation by 10% instead.


 33.5289, 17.6561,
1.6408

 33.5289, 17.6561,
1.6408


 309.6493,
238.9254, 116.5232


 22.6931, 10.7034,
0.3197

 64.5496, 39.4504,
8.0332


 14.4865, 5.8677,
0.0000


 85.4651, 55.0609,
14.0746


 8.5438, 2.7648,
0.0000


 110.4713, 74.3259,
22.5708

 4.4995, 1.0102,
0.0000

 139.9335, 97.6301,
33.9404

 1.9884, 0.0000,
0.0000

 174.2171,
125.3578, 48.6019


 0.6275, 0.0000,
0.0000


 213.6873,


 0.0000, 0.0000,


157.8933, 66.9738


0.0000


 258.7096,
195.6210, 89.4748


 33.5289, 17.6561,
1.6408


 33.5289, 17.6561,
1.6408


 33.5292, 17.6572,
1.6410

 34.2361, 18.8203,
2.6495

 35.5256, 20.8481,
4.7781

 37.5127, 23.8754,
8.3598

 40.2788, 28.0092,
13.5932

 43.8940, 33.3429,
20.6457

■ 48.4205, 39.9598,
29.6641

■ 53.9144, 47.9358,
40.7805

■ 60.4276, 57.3410,
54.1152

■ 68.0080, 68.2405,
69.7797

Harmonies

Analogous

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



40.0779, 17.6561, 11.3797



33.5289, 17.6561, 1.6408



23.1241, 17.6561, 0.0000

Triad

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



33.5289, 17.6561, 1.6408



5.1925, 17.6561, 7.1171



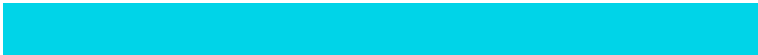
20.2225, 17.6561, 120.0862

Complementary

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



33.5289, 17.6561, 1.6408



38.1004, 52.8961, 84.5453

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.



11.7198, 17.6561, 113.8249



33.5289, 17.6561, 1.6408



4.8980, 17.6561, 30.0356

Square

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



33.5289, 17.6561, 1.6408



7.8453, 17.6561, 0.8268



6.8143, 17.6561, 72.9442



30.7650, 17.6561, 86.1595

Rectangle

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



33.5289, 17.6561, 1.6408



16.5457, 17.6561, 0.0000



6.8143, 17.6561, 72.9442



17.0198, 17.6561, 123.0563

Sweetspot

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



33.5293, 17.6572, 1.6410



66.6973, 59.2367, 50.3017



45.2464, 21.9429, 64.5795



13.6279, 11.7397, 9.4508



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.



33.5293, 17.6572, 1.6410



41.5273, 21.8346, 2.0258



41.9891, 34.5769, 4.4610



14.4765, 14.5670, 14.9532



18.6518, 9.8777, 0.9235



1.4130, 0.7994, 0.0798

Inverse Universe

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



38.1004, 52.8961, 84.5453



47.1834, 65.4867, 104.7611



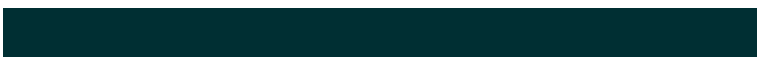
18.8094, 14.3142, 78.1150



14.6954, 16.1123, 18.4798



21.1987, 29.4595, 46.9521



1.5980, 2.2399, 3.4801

Previews

White Background



This preview shows how the XYZ color 33.5289, 17.6561, 1.6408 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 ✓ 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 33.5289, 17.6561, 1.6408

Background



This preview shows how black text looks on a background with the XYZ color 33.5289, 17.6561, 1.6408.



This preview shows how white text looks on a background with the XYZ color 33.5289, 17.6561,

1.6408.

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

33.5289, 17.6561, 1.6408

Protanopia

16.2285, 17.9561, 3.8388

Deuteranopia

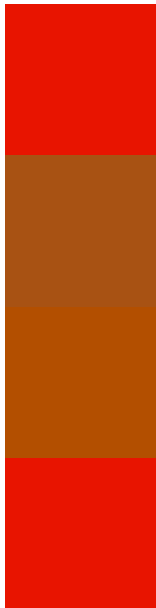
18.0069, 17.8842, 2.5029



Tritanopia

33.5289, 17.6561, 1.6408

Trichromacy



Original Color

33.5289, 17.6561, 1.6408

Protanomaly

19.2833, 14.4064, 2.3805

Deuteranomaly

21.3864, 15.1757, 1.8020

Tritanomaly

33.5289, 17.6561, 1.6408

Monochromacy



Original Color

33.5289, 17.6561, 1.6408

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

12.3371, 8.6101, 4.2605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5289, 17.6561, 1.6408 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, 20, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 20, 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, 20, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 20, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.5289, 17.6561, 1.6408 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, 20, 0) }
```


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

```
.border{ border-color:rgb(232, 20, 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, 20, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 20, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 20, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 20, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.5289, 17.6561, 1.6408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 20, 0) }
```

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

```
.background{ background-color: rgb(232, 20,  
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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