

Converting Colors

XYZ(33.6516, 17.9021, 1.6818)

Have a look what the booklet for
XYZ(33.6516, 17.9021, 1.6818)
contains.

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Color

**XYZ(33.6481, 17.8946,
1.6805)**

Conversions

Conversions Part 1

Format	Color
Hex	E81A00
RGB	232, 26, 0
RGB Percent	91%, 10%, 0%
CMY	0.0902, 0.8979, 1.0000
CMYK	0.00, 0.89, 1.00, 0.09
HSL	7°, 100%, 45%
HSV	7°, 100%, 91%
XYZ	33.6481, 17.8946, 1.6805
YIQ	84.6300, 131.1220, 35.5860

Conversions

Conversions Part 2

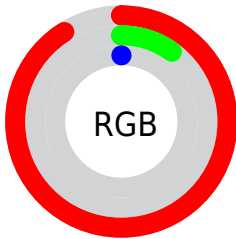
Format	Color
R_{YB}	232, 29, 0
Decimal	15211008
CIE _{Lab}	49.37, 71.95, 62.91
CIE _{LCh}	49, 95.572, 41.165
Yxy	17.8946, 0.6322, 0.3362
Android (android.graphics.Color)	4293401088 (0xFFE81A00)
YUV	84.6300, -41.7226, 129.2435
Hunter-Lab	42.3020, 67.9549, 27.2560

Details

The XYZ color **33.6481, 17.8946, 1.6805** 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 **36.6295, 49.9543, 84.0549**, and the grayscale version is **8.6255, 9.0747, 9.8823**.

A 20% lighter version of the original color is **46.4404, 30.4791, 7.3063**, and **15.7259, 8.1070, 0.7360** is the 20% darker color. If you saturate the color by 10%, you get **33.6485, 17.8957, 1.6808**, and if you desaturate by 10%, it is **34.4367, 19.2216, 2.7163**.

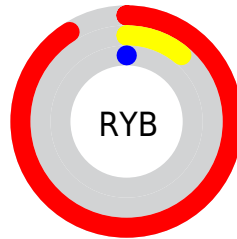
Distribution



Red (91%)

Green (10%)

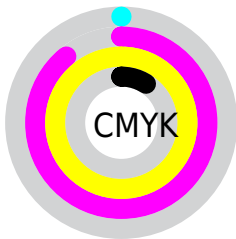
Blue (0%)



Red (91%)

Yellow (11%)

Blue (0%)

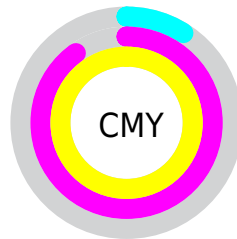


Cyan (0%)

Magenta (89%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (90%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6481, 17.8946, 1.6805 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 33.6481, 17.8946, 1.6805 by changing the saturation by 10% instead.

 33.6481, 17.8946,
1.6805


 33.6481, 17.8946,
1.6805


 310.1737,
240.2763, 117.1999


 22.7850, 10.8743,
0.3473


 64.7340, 39.8576,
8.1473


 14.5547, 5.9824,
0.0000


 85.6875, 55.5692,
14.2403

 8.5917, 2.8344,
0.0000


 110.7352, 74.9467,
22.7977

 4.5308, 1.0459,
0.0000

 140.2424, 98.3745,
34.2381

 2.0066, 0.0000,
0.0000

 174.5745,
126.2369, 48.9799

 0.6377, 0.0000,
0.0000


 214.0968,


 0.0000, 0.0000,


158.9184, 67.4418


0.0000


 259.1748,
196.8034, 90.0423


 33.6481, 17.8946,
1.6805


 33.6481, 17.8946,
1.6805


 33.6485, 17.8957,
1.6808

 34.4367, 19.2216,
2.7163

 35.7999, 21.3970,
4.8694

 37.8463, 24.5428,
8.4708

 40.6520, 28.7558,
13.7173

 44.2829, 34.1208,
20.7749

■ 48.7976, 40.7144,
29.7893

■ 54.2494, 48.6061,
40.8915

■ 60.6871, 57.8605,
54.2010

■ 68.1565, 68.5378,
69.8282

Harmonies

Analogous

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



40.2657, 17.8946, 11.3761



33.6481, 17.8946, 1.6805



23.2302, 17.8946, 0.0000

Triad

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



33.6481, 17.8946, 1.6805



5.3236, 17.8946, 7.4627



20.5845, 17.8946, 119.7901

Complementary

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



33.6481, 17.8946, 1.6805



36.6295, 49.9543, 84.0549

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.



12.0101, 17.8946, 114.1223



33.6481, 17.8946, 1.6805



5.0521, 17.8946, 30.7441

Square

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



33.6481, 17.8946, 1.6805



7.9702, 17.8946, 0.9207



7.0228, 17.8946, 73.7105



31.1334, 17.8946, 85.6905

Rectangle

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



33.6481, 17.8946, 1.6805



16.6589, 17.8946, 0.0000



7.0228, 17.8946, 73.7105



17.3625, 17.8946, 122.9311

Sweetspot

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



33.6485, 17.8957, 1.6808



67.1141, 60.0703, 50.4406



44.7622, 21.7492, 62.0301



13.7228, 11.9296, 9.4824



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.



33.6485, 17.8957, 1.6808



41.6699, 22.1197, 2.0733



42.5400, 35.6787, 4.6446



14.5065, 14.6270, 14.9632



18.7257, 10.0255, 0.9482



1.4273, 0.8280, 0.0846

Inverse Universe

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



36.6295, 49.9543, 84.0549



45.3526, 61.8252, 104.1509



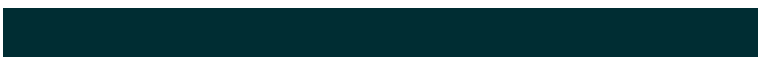
18.4622, 13.6197, 77.9991



14.6621, 16.0456, 18.4687



20.3939, 27.8499, 46.6839



1.5466, 2.1371, 3.4630

Previews

White Background



This preview shows how the XYZ color 33.6481, 17.8946, 1.6805 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 33.6481, 17.8946, 1.6805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

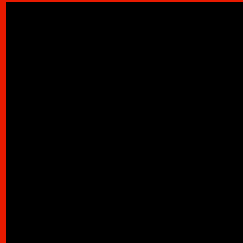
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.6481, 17.8946, 1.6805

Background



This preview shows how black text looks on a background with the XYZ color 33.6481, 17.8946, 1.6805.



This preview shows how white text looks on a background with the XYZ color 33.6481, 17.8946,

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

33.6481, 17.8946, 1.6805

Protanopia

16.4915, 18.2689, 3.8195

Deuteranopia

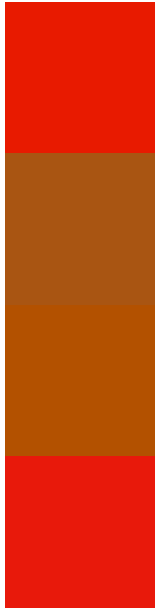
18.1886, 17.9779, 2.5114



Tritanopia

33.7355, 17.8947, 2.2482

Trichromacy



Original Color

33.6481, 17.8946, 1.6805

Protanomaly

19.7199, 14.9757, 2.4235

Deuteranomaly

21.5328, 15.4686, 1.8508

Tritanomaly

33.6867, 17.8752, 1.9914

Monochromacy



Original Color

33.6481, 17.8946, 1.6805

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

12.9805, 9.3364, 4.6080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6481, 17.8946, 1.6805 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, 26, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 26, 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, 26, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 26, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.6481, 17.8946, 1.6805 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, 26, 0) }
```


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

```
.border{ border-color:rgb(232, 26, 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, 26, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 26, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 26, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 26, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.6481, 17.8946, 1.6805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 26, 0) }
```

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

```
.background{ background-color: rgb(232, 26,  
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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