

Converting Colors

XYZ(34.3466, 18.0294, 1.6697)

Have a look what the booklet for
XYZ(34.3466, 18.0294, 1.6697)
contains.

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Color

**XYZ(34.4773, 18.0948,
1.6755)**

Conversions

Conversions Part 1

Format	Color
Hex	EB1200
RGB	235, 18, 0
RGB Percent	92%, 7%, 0%
CMY	0.0784, 0.9293, 1.0000
CMYK	0.00, 0.92, 1.00, 0.08
HSL	5°, 100%, 46%
HSV	5°, 100%, 92%
XYZ	34.4773, 18.0948, 1.6755
YIQ	80.8310, 135.1100, 40.4060

Conversions

Conversions Part 2

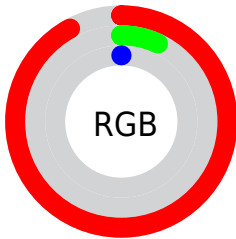
Format	Color
RYB	235, 19, 0
Decimal	15405568
CIELab	49.61, 73.78, 63.38
CIElCh	50, 97.266, 40.661
Yxy	18.0948, 0.6356, 0.3336
Android (android.graphics.Color)	4293595648 (0xFFEB1200)
YUV	80.8310, -39.8497, 135.2062
Hunter-Lab	42.5380, 70.2339, 27.4413

Details

The XYZ color **34.4773, 18.0948, 1.6755** 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 **39.7981, 55.6036, 87.2317**, and the grayscale version is **7.8494, 8.2582, 8.9931**.

A 20% lighter version of the original color is **46.1614, 29.9211, 7.2133**, and **16.1484, 8.3248, 0.7557** is the 20% darker color. If you saturate the color by 10%, you get **34.4776, 18.0959, 1.6757**, and if you desaturate by 10%, it is **35.1704, 19.2258, 2.6945**.

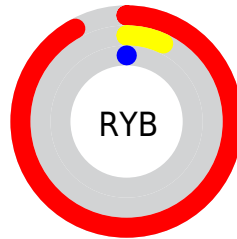
Distribution



Red (92%)

Green (7%)

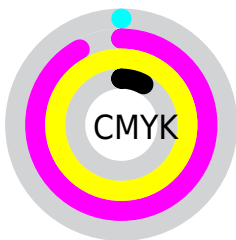
Blue (0%)



Red (92%)

Yellow (7%)

Blue (0%)

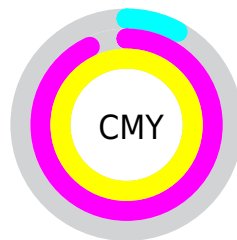


Cyan (0%)

Magenta (92%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (93%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4773, 18.0948, 1.6755 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 34.4773, 18.0948, 1.6755 by changing the saturation by 10% instead.


 34.4773, 18.0948,
1.6755


 34.4773, 18.0948,
1.6755


 313.8037,
241.4048, 117.1151


 23.4251, 11.0181,
0.3439


 66.0146, 40.1988,
8.1330


 15.0302, 6.0790,
0.0000


 87.2304, 55.9949,
14.2195


 8.9270, 2.8932,
0.0000


 112.5649, 75.4661,
22.7692

 4.7503, 1.0762,
0.0000

 142.3833, 98.9970,
34.2007

 2.1348, 0.0000,
0.0000

 177.0510,
126.9720, 48.9325


 0.7080, 0.0000,
0.0000


 216.9334,


 0.0000, 0.0000,


159.7753, 67.3832


0.0000


 262.3959,
197.7915, 89.9712


 34.4773, 18.0948,
1.6755


 34.4773, 18.0948,
1.6755


 34.4776, 18.0959,
1.6757

 35.1704, 19.2258,
2.6945

 36.4657, 21.2511,
4.8694

 38.4852, 24.3168,
8.5429

 41.3149, 28.5376,
13.9208

 45.0287, 34.0134,
21.1765

■ 49.6924, 40.8330,
30.4622

■ 55.3653, 49.0772,
41.9145

■ 62.1017, 58.8206,
55.6579

■ 69.9525, 70.1323,
71.8078

Harmonies

Analogous

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



41.1960, 18.0948, 11.7167



34.4773, 18.0948, 1.6755



23.7698, 18.0948, 0.0000

Triad

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



34.4773, 18.0948, 1.6755



5.3006, 18.0948, 7.2095



20.6946, 18.0948, 123.7352

Complementary

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



34.4773, 18.0948, 1.6755



39.7981, 55.6036, 87.2317

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.



11.9659, 18.0948, 117.0827



34.4773, 18.0948, 1.6755



4.9897, 18.0948, 30.6786

Square

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



34.4773, 18.0948, 1.6755



8.0336, 18.0948, 0.8216



6.9439, 18.0948, 74.8329



31.5458, 18.0948, 88.8668

Rectangle

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



34.4773, 18.0948, 1.6755



16.9947, 18.0948, 0.0000



6.9439, 18.0948, 74.8329



17.4040, 18.0948, 126.7335

Sweetspot

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



34.4777, 18.0960, 1.6757



66.5441, 58.9303, 50.2506



47.0908, 22.7941, 69.1655



13.5931, 11.6701, 9.4392



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.



34.4777, 18.0960, 1.6757



41.4827, 21.7454, 2.0109



42.6711, 34.4829, 4.4069



15.1583, 15.2397, 15.6613



19.2234, 10.1411, 0.9442



1.5419, 0.8611, 0.0849

Inverse Universe

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



39.7981, 55.6036, 87.2317



47.8805, 66.8810, 104.9935



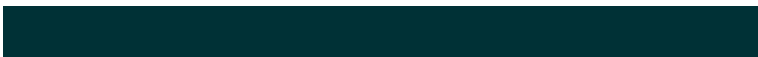
19.7304, 15.4683, 80.5425



15.4130, 16.9124, 19.3743



22.1923, 31.0316, 48.5630



1.7721, 2.4957, 3.8232

Previews

White Background



This preview shows how the XYZ color 34.4773, 18.0948, 1.6755 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 34.4773, 18.0948, 1.6755 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 34.4773, 18.0948, 1.6755

Background



This preview shows how black text looks on a background with the XYZ color 34.4773, 18.0948, 1.6755.



This preview shows how white text looks on a background with the XYZ color 34.4773, 18.0948,

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

34.4773, 18.0948, 1.6755

Protanopia

16.6627, 18.3557, 3.8931

Deuteranopia

18.4828, 18.2943, 2.5570



Tritanopia

34.5291, 18.1985, 1.6928

Trichromacy



Original Color

34.4773, 18.0948, 1.6755

Protanomaly

19.9294, 14.7395, 2.4107

Deuteranomaly

21.7804, 15.2725, 1.7999

Tritanomaly

34.5111, 18.1625, 1.6868

Monochromacy



Original Color

34.4773, 18.0948, 1.6755

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

12.4494, 8.5924, 4.2512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4773, 18.0948, 1.6755 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(235, 18, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 18, 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(235, 18, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 18, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.4773, 18.0948, 1.6755 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(235, 18, 0) }
```


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

```
.border{ border-color:rgb(235, 18, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 18, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 18, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 18, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 18, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.4773, 18.0948, 1.6755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 18, 0) }
```

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

```
.background{ background-color: rgb(235, 18,  
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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