

Converting Colors

XYZ(34.3920, 18.1201, 1.6849)

Have a look what the booklet for
XYZ(34.3920, 18.1201, 1.6849)
contains.

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Color

**XYZ(34.5291, 18.1985,
1.6928)**

Conversions

Conversions Part 1

Format	Color
Hex	EB1500
RGB	235, 21, 0
RGB Percent	92%, 8%, 0%
CMY	0.0784, 0.9175, 1.0000
CMYK	0.00, 0.91, 1.00, 0.08
HSL	5°, 100%, 46%
HSV	5°, 100%, 92%
XYZ	34.5291, 18.1985, 1.6928
YIQ	82.5920, 134.2850, 38.8370

Conversions

Conversions Part 2

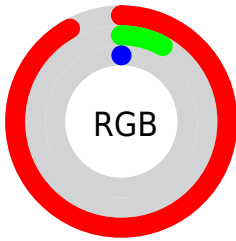
Format	Color
R_{YB}	235, 23, 0
Decimal	15406336
CIE Lab	49.74, 73.42, 63.42
CIE LCh	50, 97.022, 40.820
Yxy	18.1985, 0.6345, 0.3344
Android (android.graphics.Color)	4293596416 (0xFFEB1500)
YUV	82.5920, -40.7179, 133.6618
Hunter-Lab	42.6597, 69.8248, 27.5091

Details

The XYZ color **34.5291, 18.1985, 1.6928** 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 **39.0331, 54.0737, 86.9766**, and the grayscale version is **8.2038, 8.6311, 9.3992**.

A 20% lighter version of the original color is **46.2532, 30.1048, 7.2439**, and **16.1484, 8.3248, 0.7557** is the 20% darker color. If you saturate the color by 10%, you get **34.5294, 18.1996, 1.6930**, and if you desaturate by 10%, it is **35.2638, 19.4127, 2.7257**.

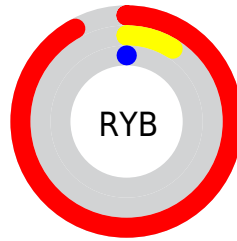
Distribution



Red (92%)

Green (8%)

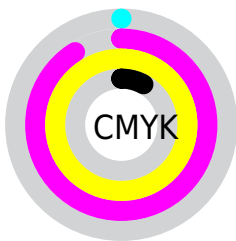
Blue (0%)



Red (92%)

Yellow (9%)

Blue (0%)

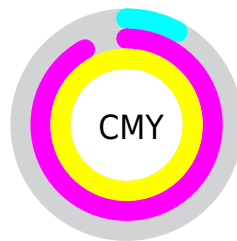


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (92%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5291, 18.1985, 1.6928 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 34.5291, 18.1985, 1.6928 by changing the saturation by 10% instead.


 34.5291, 18.1985,
1.6928


 34.5291, 18.1985,
1.6928


 314.0294,
241.9875, 117.4079


 23.4652, 11.0926,
0.3558


 66.0945, 40.3753,
8.1825


 15.0599, 6.1291,
0.0000


 87.3266, 56.2149,
14.2914

 8.9481, 2.9238,
0.0000


 112.6789, 75.7346,
22.8676

 4.7642, 1.0921,
0.0000

 142.5166, 99.3188,
34.3297

 2.1429, 0.0000,
0.0000

 177.2052,
127.3517, 49.0962

 0.7124, 0.0000,
0.0000


 217.1100,


 0.0000, 0.0000,


160.2179, 67.5857


0.0000


 262.5963,
198.3017, 90.2168


 34.5291, 18.1985,
1.6928

 34.5291, 18.1985,
1.6928


 34.5294, 18.1996,
1.6930

 35.2638, 19.4127,
2.7257

 36.5975, 21.5148,
4.9134

 38.6483, 24.6431,
8.5974

 41.4995, 28.9069,
13.9824

 45.2227, 34.4014,
21.2413

■ 49.8817, 41.2116,
30.5255

■ 55.5342, 49.4152,
41.9710

■ 62.2332, 59.0836,
55.7020

■ 70.0281, 70.2835,
71.8333

Harmonies

Analogous

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



41.2775, 18.1985, 11.7153



34.5291, 18.1985, 1.6928



23.8161, 18.1985, 0.0000

Triad

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



34.5291, 18.1985, 1.6928



5.3574, 18.1985, 7.3577



20.8516, 18.1985, 123.6033

Complementary

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



34.5291, 18.1985, 1.6928



39.0331, 54.0737, 86.9766

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.



12.0916, 18.1985, 117.2102



34.5291, 18.1985, 1.6928



5.0563, 18.1985, 30.9850

Square

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



34.5291, 18.1985, 1.6928



8.0880, 18.1985, 0.8619



7.0340, 18.1985, 75.1651



31.7058, 18.1985, 88.6601

Rectangle

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



34.5291, 18.1985, 1.6928



17.0442, 18.1985, 0.0000



7.0340, 18.1985, 75.1651



17.5526, 18.1985, 126.6763

Sweetspot

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



34.5295, 18.1997, 1.6930



66.7479, 59.3379, 50.3185



46.5799, 22.5898, 66.4758



13.6394, 11.7627, 9.4546



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.



34.5295, 18.1997, 1.6930



41.5429, 21.8658, 2.0310



43.2182, 35.5771, 4.5893



15.1739, 15.2707, 15.6665



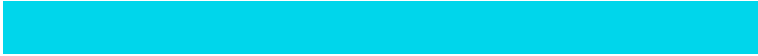
19.2561, 10.2065, 0.9551



1.5493, 0.8759, 0.0874

Inverse Universe

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



39.0331, 54.0737, 86.9766



46.9561, 65.0323, 104.6854



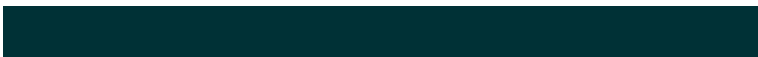
19.3553, 14.7181, 80.4173



15.3957, 16.8778, 19.3686



21.7728, 30.1926, 48.4232



1.7435, 2.4385, 3.8137

Previews

White Background



This preview shows how the XYZ color 34.5291, 18.1985, 1.6928 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 34.5291, 18.1985, 1.6928 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 34.5291, 18.1985, 1.6928

Background



This preview shows how black text looks on a background with the XYZ color 34.5291, 18.1985, 1.6928.



This preview shows how white text looks on a background with the XYZ color 34.5291, 18.1985,

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

34.5291, 18.1985, 1.6928

Protanopia

16.7823, 18.5950, 3.9330

Tritanopia

34.5565, 18.2095, 1.8370

Trichromacy



Original Color

34.5291, 18.1985, 1.6928

Protanomaly

20.0825, 15.0456, 2.4617

Tritanomaly

34.5456, 18.2051, 1.7793

Monochromacy



Original Color

34.5291, 18.1985, 1.6928

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

12.7397, 8.8920, 4.4130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5291, 18.1985, 1.6928 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, 21, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 21, 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, 21, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 21, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.5291, 18.1985, 1.6928 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, 21, 0) }
```

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

```
.border{ border-color:rgb(235, 21, 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, 21, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 21, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 21, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 21, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 34.5291, 18.1985, 1.6928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 21, 0) }
```

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

```
.background{ background-color: rgb(235, 21,  
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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