

Converting Colors

XYZ(34.0923, 18.8125, 1.8343)

Have a look what the booklet for
XYZ(34.0923, 18.8125, 1.8343)
contains.

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Color

**XYZ(34.1067, 18.8117,
1.8334)**

Conversions

Conversions Part 1

Format	Color
Hex	E82A00
RGB	232, 42, 0
RGB Percent	91%, 16%, 0%
CMY	0.0902, 0.8352, 1.0000
CMYK	0.00, 0.82, 1.00, 0.09
HSL	11°, 100%, 45%
HSV	11°, 100%, 91%
XYZ	34.1067, 18.8117, 1.8334
YIQ	94.0220, 126.7220, 27.2180

Conversions

Conversions Part 2

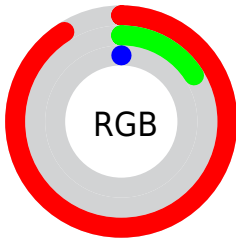
Format	Color
RYB	232, 51, 0
Decimal	15215104
CIELab	50.47, 68.81, 63.33
CIELCh	50, 93.524, 42.625
Yxy	18.8117, 0.6229, 0.3436
Android (android.graphics.Color)	4293405184 (0xFFE82A00)
YUV	94.0220, -46.3528, 121.0067
Hunter-Lab	43.3725, 64.4648, 27.8545

Details

The XYZ color **34.1067, 18.8117, 1.8334** 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 **32.9753, 42.6460, 82.8369**, and the grayscale version is **10.7317, 11.2906, 12.2954**.

A 20% lighter version of the original color is **47.2614, 32.0809, 7.7043**, and **15.7259, 8.1070, 0.7360** is the 20% darker color. If you saturate the color by 10%, you get **34.1070, 18.8128, 1.8336**, and if you desaturate by 10%, it is **35.1048, 20.5576, 2.9390**.

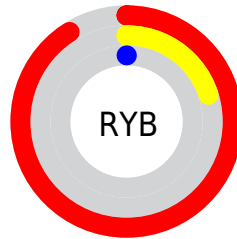
Distribution



Red (91%)

Green (16%)

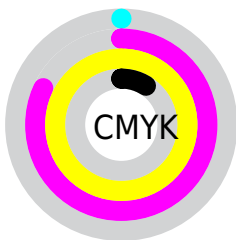
Blue (0%)



Red (91%)

Yellow (20%)

Blue (0%)

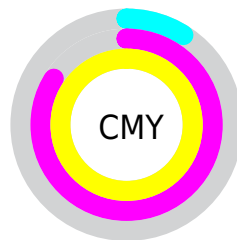


Cyan (0%)

Magenta (82%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (84%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1067, 18.8117, 1.8334 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 34.1067, 18.8117, 1.8334 by changing the saturation by 10% instead.


 34.1067, 18.8117,
1.8334


 34.1067, 18.8117,
1.8334


 312.1851,
245.4073, 119.7337


 23.1389, 11.5343,
0.4499


 65.4427, 41.4157,
8.5801


 14.8173, 6.4274,
0.0000


 86.5417, 57.5110,
14.8664

 8.7768, 3.1067,
0.0000


 111.7483, 77.3145,
23.6528

 4.6518, 1.1877,
0.0000

 141.4281,
101.2105, 35.3577

 2.0771, 0.0516,
0.0000

 175.9463,
129.5833, 50.3997


 0.6767, 0.0000,
0.0000


 215.6683,


 0.0000, 0.0000,


162.8175, 69.1973


0.0000


 260.9594,
201.2973, 92.1692


 34.1067, 18.8117,
1.8334


 34.1067, 18.8117,
1.8334


 34.1070, 18.8128,
1.8336

 35.1048, 20.5576,
2.9390

 36.6493, 23.0956,
5.1527

 38.8345, 26.5190,
8.8005

 41.7252, 30.9020,
14.0754

 45.3780, 36.3107,
21.1405

■ 49.8432, 42.8052,
30.1386

■ 55.1670, 50.4409,
41.1983

■ 61.3918, 59.2694,
54.4370

■ 68.5574, 69.3391,
69.9632

Harmonies

Analogous

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



40.9882, 18.8117, 11.3605



34.1067, 18.8117, 1.8334



23.6352, 18.8117, 0.0000

Triad

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



34.1067, 18.8117, 1.8334



5.8342, 18.8117, 8.8605



21.9869, 18.8117, 118.7365

Complementary

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



34.1067, 18.8117, 1.8334



32.9753, 42.6460, 82.8369

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.



13.1442, 18.8117, 115.2994



34.1067, 18.8117, 1.8334



5.6580, 18.8117, 33.5156

Square

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



34.1067, 18.8117, 1.8334



8.4501, 18.8117, 1.3060



7.8427, 18.8117, 76.6708



32.5528, 18.8117, 83.9753

Rectangle

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



34.1067, 18.8117, 1.8334



17.0898, 18.8117, 0.0000



7.8427, 18.8117, 76.6708



18.6941, 18.8117, 122.5191

Sweetspot

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



34.1071, 18.8129, 1.8337



68.2538, 62.3496, 50.8205



42.9414, 21.0209, 52.4413



13.9837, 12.4512, 9.5694



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.



34.1071, 18.8129, 1.8337



42.2241, 23.2282, 2.2580



44.9445, 40.4877, 5.4461



14.5870, 14.7880, 14.9900



19.0004, 10.5750, 1.0397



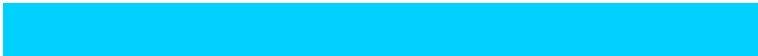
1.4655, 0.9043, 0.0973

Inverse Universe

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



32.9753, 42.6460, 82.8369



40.8059, 52.7319, 102.6353



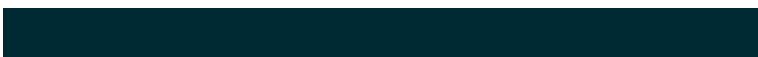
17.2428, 11.1808, 77.5928



14.5738, 15.8691, 18.4392



18.3917, 23.8456, 46.0165



1.4171, 1.8782, 3.4198

Previews

White Background



This preview shows how the XYZ color 34.1067, 18.8117, 1.8334 looks on a white 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

Black Background



This preview shows how the XYZ color 34.1067, 18.8117, 1.8334 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 34.1067, 18.8117, 1.8334

Background



This preview shows how black text looks on a background with the XYZ color 34.1067, 18.8117, 1.8334.



This preview shows how white text looks on a background with the XYZ color 34.1067, 18.8117,

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

34.1067, 18.8117, 1.8334

Protanopia

17.2003, 18.9928, 3.8580

Deuteranopia

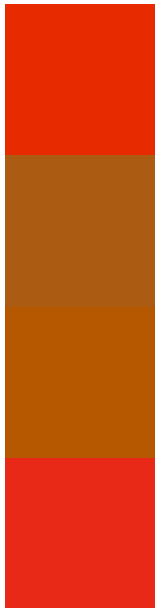
19.0796, 18.9369, 2.6496



Tritanopia

34.3874, 18.8133, 3.6526

Trichromacy



Original Color

34.1067, 18.8117, 1.8334

Protanomaly

20.7309, 16.3559, 2.6366

Deuteranomaly

22.5458, 16.8032, 2.0550

Tritanomaly

34.2365, 18.8076, 2.6899

Monochromacy



Original Color

34.1067, 18.8117, 1.8334

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

14.8333, 11.2877, 5.6719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1067, 18.8117, 1.8334 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, 42, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 42, 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, 42, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 42, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.1067, 18.8117, 1.8334 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, 42, 0) }
```


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

```
.border{ border-color:rgb(232, 42, 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, 42, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 42, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 42, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 42, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.1067, 18.8117, 1.8334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 42, 0) }
```

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

```
.background{ background-color: rgb(232, 42,  
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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