

Converting Colors

XYZ(34.1497, 18.5986, 1.8009)

Have a look what the booklet for
XYZ(34.1497, 18.5986, 1.8009)
contains.

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Color

**XYZ(34.2658, 18.6468,
1.7932)**

Conversions

Conversions Part 1

Format	Color
Hex	E92500
RGB	233, 37, 0
RGB Percent	91%, 15%, 0%
CMY	0.0863, 0.8548, 1.0000
CMYK	0.00, 0.84, 1.00, 0.09
HSL	10°, 100%, 46%
HSV	10°, 100%, 91%
XYZ	34.2658, 18.6468, 1.7932
YIQ	91.3860, 128.6930, 30.0450

Conversions

Conversions Part 2

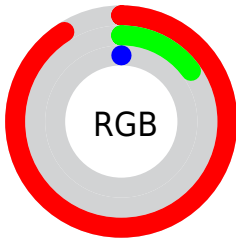
Format	Color
R_{YB}	233, 44, 0
Decimal	15279360
CIE Lab	50.27, 70.21, 63.38
CIE LCh	50, 94.580, 42.073
Yxy	18.6468, 0.6264, 0.3409
Android (android.graphics.Color)	4293469440 (0xFFE92500)
YUV	91.3860, -45.0533, 124.1955
Hunter-Lab	43.1819, 66.0752, 27.7652

Details

The XYZ color **34.2658, 18.6468, 1.7932** 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 **34.4431, 45.3536, 84.0288**, and the grayscale version is **10.1135, 10.6402, 11.5871**.

A 20% lighter version of the original color is **46.9540, 31.4661, 7.6018**, and **15.9363, 8.2155, 0.7458** is the 20% darker color. If you saturate the color by 10%, you get **34.2661, 18.6479, 1.7934**, and if you desaturate by 10%, it is **35.2060, 20.2754, 2.8846**.

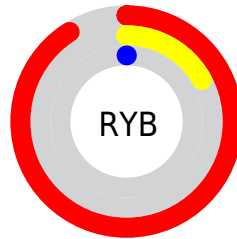
Distribution



Red (91%)

Green (15%)

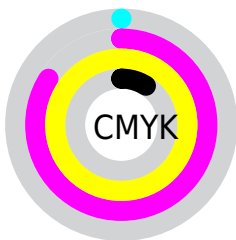
Blue (0%)



Red (91%)

Yellow (17%)

Blue (0%)

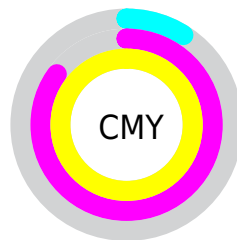


Cyan (0%)

Magenta (84%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (85%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2658, 18.6468, 1.7932 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 34.2658, 18.6468, 1.7932 by changing the saturation by 10% instead.


 34.2658, 18.6468,
1.7932

 34.2658, 18.6468,
1.7932


 312.8807,
244.4919, 119.0782


 23.2617, 11.4153,
0.4235


 65.6883, 41.1364,
8.4673


 14.9086, 6.3469,
0.0000


 86.8375, 57.1634,
14.7036


 8.8412, 3.0572,
0.0000


 112.0991, 76.8909,
23.4307

 4.6940, 1.1616,
0.0000

 141.8385,
100.7035, 35.0672

 2.1018, 0.0300,
0.0000

 176.4210,
128.9855, 50.0317


 0.6902, 0.0000,
0.0000


 216.2119,

 0.0000, 0.0000,


162.1213, 68.7427


0.0000


 261.5767,
200.4953, 91.6186


 34.2658, 18.6468,
1.7932


 34.2658, 18.6468,
1.7932

 34.2661, 18.6479,
1.7934

 35.2060, 20.2754,
2.8846

 36.7085, 22.7245,
5.0989

 38.8724, 26.0966,
8.7665

 41.7667, 30.4734,
14.0835

 45.4512, 35.9273,
21.2156

■ 49.9794, 42.5239,
30.3081

■ 55.4000, 50.3237,
41.4916

■ 61.7580, 59.3826,
54.8854

■ 69.0953, 69.7532,
70.5999

Harmonies

Analogous

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



41.1140, 18.6468, 11.4781



34.2658, 18.6468, 1.7932



23.7130, 18.6468, 0.0000

Triad

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



34.2658, 18.6468, 1.7932



5.6959, 18.6468, 8.4025



21.6663, 18.6468, 120.2828

Complementary

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



34.2658, 18.6468, 1.7932



34.4431, 45.3536, 84.0288

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.



12.8380, 18.6468, 115.9723



34.2658, 18.6468, 1.7932



5.4803, 18.6468, 32.7799

Square

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



34.2658, 18.6468, 1.7932



8.3504, 18.6468, 1.1637



7.6041, 18.6468, 76.2911



32.3305, 18.6468, 85.4332

Rectangle

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



34.2658, 18.6468, 1.7932



17.0939, 18.6468, 0.0000



7.6041, 18.6468, 76.2911



18.3678, 18.6468, 123.8609

Sweetspot

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



34.2662, 18.6480, 1.7935



67.8818, 61.6057, 50.6965



43.8027, 21.4030, 55.2785



13.8983, 12.2806, 9.5409



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.



34.2662, 18.6480, 1.7935



42.0163, 22.8126, 2.1888



44.7431, 39.6018, 5.2858



15.2587, 15.4405, 15.6948



19.5014, 10.6971, 1.0369



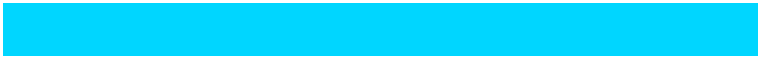
1.5896, 0.9566, 0.1009

Inverse Universe

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



34.4431, 45.3536, 84.0288



42.2193, 55.5586, 103.1064



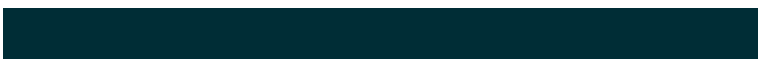
17.6914, 11.8503, 78.4449



15.3020, 16.6905, 19.3373



19.6200, 25.8869, 47.7056



1.5953, 2.1421, 3.7643

Previews

White Background



This preview shows how the XYZ color 34.2658, 18.6468, 1.7932 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 34.2658, 18.6468, 1.7932 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 34.2658, 18.6468, 1.7932

Background



This preview shows how black text looks on a background with the XYZ color 34.2658, 18.6468, 1.7932.



This preview shows how white text looks on a background with the XYZ color 34.2658, 18.6468,

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

34.2658, 18.6468, 1.7932

Protanopia

17.0508, 18.9143, 3.9146

Deuteranopia

18.9662, 18.7100, 2.6118



Tritanopia

34.4660, 18.6300, 3.1459

Trichromacy



Original Color

34.2658, 18.6468, 1.7932

Protanomaly

20.5599, 16.0139, 2.5796

Deuteranomaly

22.3838, 16.4793, 2.0011

Tritanomaly

34.3614, 18.6359, 2.4479

Monochromacy



Original Color

34.2658, 18.6468, 1.7932

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

14.3447, 10.6516, 5.3029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2658, 18.6468, 1.7932 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(233, 37, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 37, 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(233, 37, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 37, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.2658, 18.6468, 1.7932 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(233, 37, 0) }
```


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

```
.border{ border-color:rgb(233, 37, 0) }
```

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

Here you see how a box with a 4 pixel rgb(233, 37, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 37, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 37, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 37, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.2658, 18.6468, 1.7932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 37, 0) }
```

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

```
.background{ background-color: rgb(233, 37,  
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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