

# Converting Colors

XYZ(35.0599, 18.0642, 2.0829)

Have a look what the booklet for  
XYZ(35.0599, 18.0642, 2.0829)  
contains.

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# Color

**XYZ(35.0113, 18.0390,  
2.0885)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED000F
RGB	237, 0, 15
RGB Percent	93%, 0%, 6%
CMY	0.0706, 0.9998, 0.9412
CMYK	0.00, 1.00, 0.94, 0.07
HSL	356°, 100%, 46%
HSV	356°, 100%, 93%
XYZ	35.0113, 18.0390, 2.0885
YIQ	72.5730, 136.4370, 54.9090

# Conversions

## Conversions Part 2

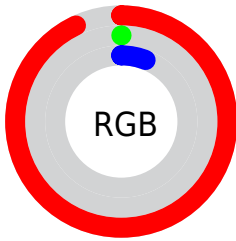
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 0, 15
Decimal	15532047
CIE <sub>Lab</sub>	49.54, 75.91, 59.47
CIE <sub>LCh</sub>	50, 96.428, 38.077
Yxy	18.0390, 0.6350, 0.3272
Android (android.graphics.Color)	4293722127 (0xFFED000F)
YUV	72.5730, -28.3835, 144.2025
Hunter-Lab	42.4723, 72.8166, 26.8152

# Details

The XYZ color **35.0113, 18.0390, 2.0885** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **43.4772, 65.8453, 79.5655**, and the grayscale version is **6.2952, 6.6231, 7.2125**.

A 20% lighter version of the original color is **46.1085, 29.4704, 8.2592**, and **16.5776, 8.5460, 0.7758** is the 20% darker color. If you saturate the color by 10%, you get **35.0106, 18.0387, 2.0865**, and if you desaturate by 10%, it is **35.5837, 18.7826, 3.5172**.

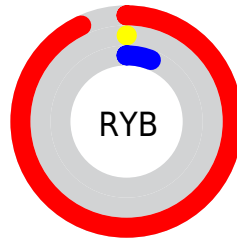
# Distribution



Red (93%)

Green (0%)

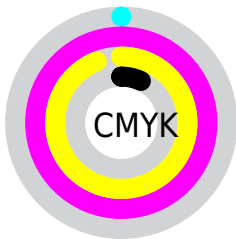
Blue (6%)



Red (93%)

Yellow (0%)

Blue (6%)

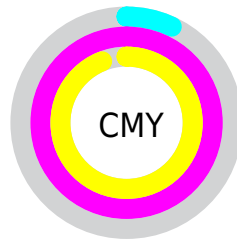


Cyan (0%)

Magenta (100%)

Yellow (94%)

Black (7%)



Cyan (7%)

Magenta (100%)


Yellow (94%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0113, 18.0390, 2.0885 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 35.0113, 18.0390, 2.0885 by changing the saturation by 10% instead.




 35.0113, 18.0390,  
2.0885


 35.0113, 18.0390,  
2.0885


316.1253,  
241.0908, 123.7362


 23.8381, 10.9780,  
0.6089


 66.8372, 40.1038,  
9.2814


 15.3377, 6.0520,  
0.0000


 88.2206, 55.8763,  
15.8736

 9.1446, 2.8767,  
0.0000


 113.7382, 75.3215,  
25.0211

 4.8935, 1.0677,  
0.0000

 143.7552, 98.8237,  
37.1424

 2.2190, 0.0000,  
0.0000

 178.6371,  
126.7674, 52.6560

 0.7527, 0.0000,  
0.0000


 218.7492,


 0.0000, 0.0000,


159.5368, 71.9805


0.0000


 264.4568,  
197.5165, 95.5344


 35.0113, 18.0390,  
2.0885


 35.0113, 18.0390,  
2.0885


 35.0106, 18.0387,  
2.0865

 35.5837, 18.7826,  
3.5172

 36.7599, 20.3943,  
6.1929

 38.6966, 23.1344,  
10.3322

 41.4939, 27.1592,  
16.1046

 45.2369, 32.6002,  
23.6562

■ 50.0000, 39.5728,  
33.1167

■ 55.8507, 48.1805,  
44.6040

■ 62.8502, 58.5177,  
58.2263

■ 71.0555, 70.6717,  
74.0842

# Harmonies

## Analogous

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



41.0634, 18.0390, 13.3901



35.0113, 18.0390, 2.0885



24.5712, 18.0390, 0.0000

# Triad

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



35.0113, 18.0390, 2.0885



5.4715, 18.0390, 6.2144



19.7324, 18.0390, 123.3231

# Complementary

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



35.0113, 18.0390, 2.0885



43.4772, 65.8453, 79.5655

# 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.



11.3905, 18.0390, 112.9511



35.0113, 18.0390, 2.0885



4.9757, 18.0390, 27.5866

# Square

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



35.0113, 18.0390, 2.0885



8.4374, 18.0390, 0.6651



6.7061, 18.0390, 69.8305



30.4119, 18.0390, 91.7592



# Rectangle

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



35.0113, 18.0390, 2.0885



17.7415, 18.0390, 0.0000



6.7061, 18.0390, 69.8305



16.5631, 18.0390, 124.9311

# Sweetspot

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



35.0117, 18.0402, 2.0887



65.8411, 56.7325, 52.4572



45.1673, 21.5197, 81.8934



13.4340, 11.1728, 9.9379



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.



35.0117, 18.0402, 2.0887



41.3341, 21.2977, 2.4257



39.7489, 27.6520, 3.2441



15.1040, 15.0694, 15.8329



19.1306, 9.8549, 1.2233



1.5158, 0.7793, 0.1675



# Inverse Universe

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



35.0117, 18.0402, 2.0887



41.3341, 21.2977, 2.4257



23.8568, 23.2549, 83.3515



15.1040, 15.0694, 15.8329



19.1306, 9.8549, 1.2233



1.5158, 0.7793, 0.1675



# Previews

## White Background



This preview shows how the XYZ color 35.0113, 18.0390, 2.0885 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

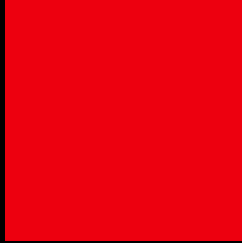
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.0113, 18.0390, 2.0885 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 35.0113, 18.0390, 2.0885**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0113, 18.0390, 2.0885.



This preview shows how white text looks on a background with the XYZ color 35.0113, 18.0390,



# 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

35.0113, 18.0390, 2.0885

### Protanopia

16.8664, 18.6286, 4.3758

### Deuteranopia

18.7798, 18.6139, 2.6030



## Tritanopia

34.5479, 18.2360, 1.6990

# Trichromacy



## Original Color

35.0113, 18.0390, 2.0885

## Protanomaly

19.5886, 13.9107, 2.7512

## Deuteranomaly

21.7013, 14.7211, 1.8413

## Tritanomaly

34.7765, 18.1579, 1.8155

# Monochromacy



## Original Color

35.0113, 18.0390, 2.0885

## Achromatopsia

6.3328, 6.6626, 7.2556

## Achromatomaly

11.2697, 7.1885, 4.0423

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0113, 18.0390, 2.0885 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(237, 0, 15)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 15)  
}
```

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(237, 0, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 15) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0113, 18.0390, 2.0885 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(237, 0, 15) }
```



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

```
.border{ border-color:rgb(237, 0, 15) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 15);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 15)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 35.0113, 18.0390, 2.0885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 15) }
```

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

```
.background{ background-color: rgb(237, 0,  
15) }
```

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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