

Converting Colors

XYZ(35.1182, 18.3164, 1.6845)

Have a look what the booklet for
XYZ(35.1182, 18.3164, 1.6845)
contains.

XYZ(35.0690, 18.2924, 1.6824)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.0690, 18.2924,
1.6824)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0D00
RGB	237, 13, 0
RGB Percent	93%, 5%, 0%
CMY	0.0706, 0.9488, 1.0000
CMYK	0.00, 0.94, 1.00, 0.07
HSL	3°, 100%, 46%
HSV	3°, 100%, 93%
XYZ	35.0690, 18.2924, 1.6824
YIQ	78.4940, 137.6770, 43.4450

Conversions

Conversions Part 2

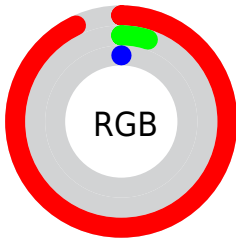
Format	Color
RYB	237, 14, 0
Decimal	15535360
CIELab	49.85, 74.79, 63.72
CIElCh	50, 98.250, 40.431
Yxy	18.2924, 0.6371, 0.3323
Android (android.graphics.Color)	4293725440 (0xFFED0D00)
YUV	78.4940, -38.6975, 139.0098
Hunter-Lab	42.7696, 71.5145, 27.6065

Details

The XYZ color **35.0690, 18.2924, 1.6824** 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 **41.9273, 59.3971, 89.3751**, and the grayscale version is **7.3936, 7.7786, 8.4709**.

A 20% lighter version of the original color is **46.0707, 29.7398, 7.1831**, and **16.5776, 8.5460, 0.7758** is the 20% darker color. If you saturate the color by 10%, you get **35.0694, 18.2936, 1.6827**, and if you desaturate by 10%, it is **35.7008, 19.2976, 2.6910**.

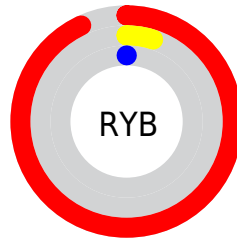
Distribution



Red (93%)

Green (5%)

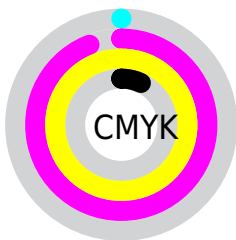
Blue (0%)



Red (93%)

Yellow (5%)

Blue (0%)

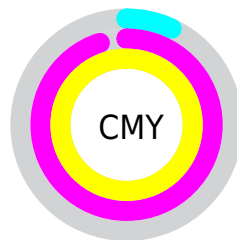


Cyan (0%)

Magenta (94%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (95%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 35.0690, 18.2924, 1.6824 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 35.0690, 18.2924, 1.6824 by changing the saturation by 10% instead.


 35.0690, 18.2924,
1.6824


 35.0690, 18.2924,
1.6824


 316.3755,
242.5140, 117.2321

 23.8828, 11.1601,
0.3486


 66.9260, 40.5349,
8.1528


 15.3710, 6.1746,
0.0000


 88.3274, 56.4140,
14.2482

 9.1682, 2.9516,
0.0000


 113.8647, 75.9774,
22.8085

 4.9090, 1.1065,
0.0000

 143.9031, 99.6096,
34.2522

 2.2282, 0.0000,
0.0000

 178.8081,
127.6950, 48.9979

 0.7575, 0.0000,
0.0000


 218.9449,


 0.0000, 0.0000,


160.6179, 67.4641


0.0000


 264.6789,
198.7628, 90.0693


 35.0690, 18.2924,
1.6824

 35.0690, 18.2924,
1.6824

 35.0694, 18.2936,
1.6827

 35.7008, 19.2976,
2.6910

 36.9511, 21.2231,
4.8807

 38.9513, 24.2326,
8.6024

 41.7949, 28.4543,
14.0682

 45.5615, 33.9981,
21.4565

■ 50.3215, 40.9618,
30.9240

■ 56.1386, 49.4341,
42.6110

■ 63.0711, 59.4961,
56.6456

■ 71.1729, 71.2234,
73.1464

Harmonies

Analogous

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



41.8742, 18.2924, 11.9455



35.0690, 18.2924, 1.6824



24.1620, 18.2924, 0.0000

Triad

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



35.0690, 18.2924, 1.6824



5.3196, 18.2924, 7.1331



20.8645, 18.2924, 126.3314

Complementary

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



35.0690, 18.2924, 1.6824



41.9273, 59.3971, 89.3751

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.



12.0130, 18.2924, 119.1656



35.0690, 18.2924, 1.6824



4.9886, 18.2924, 30.8228

Square

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



35.0690, 18.2924, 1.6824



8.1090, 18.2924, 0.7802



6.9462, 18.2924, 75.7940



31.9212, 18.2924, 90.8975

Rectangle

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



35.0690, 18.2924, 1.6824



17.2509, 18.2924, 0.0000



6.9462, 18.2924, 75.7940



17.5226, 18.2924, 129.2773

Sweetspot

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



35.0694, 18.2936, 1.6827



66.2006, 58.2432, 50.1361



48.5358, 23.4488, 73.3089



13.5151, 11.5142, 9.4132



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.



35.0694, 18.2936, 1.6827



41.3976, 21.5753, 1.9825



42.9540, 34.0628, 4.3109



15.1320, 15.1871, 15.6526



19.1760, 10.0463, 0.9284



1.5293, 0.8359, 0.0807

Inverse Universe

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



41.9273, 59.3971, 89.3751



49.4923, 70.1046, 105.5308



20.5072, 16.5569, 82.2351



15.4425, 16.9714, 19.3842



22.9234, 32.4939, 48.8067



1.8218, 2.5950, 3.8398

Previews

White Background



This preview shows how the XYZ color 35.0690, 18.2924, 1.6824 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 35.0690, 18.2924, 1.6824 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 35.0690, 18.2924, 1.6824

Background



This preview shows how black text looks on a background with the XYZ color 35.0690, 18.2924, 1.6824.



This preview shows how white text looks on a background with the XYZ color 35.0690, 18.2924,

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

35.0690, 18.2924, 1.6824

Protanopia

16.9555, 18.6828, 4.0088

Deuteranopia

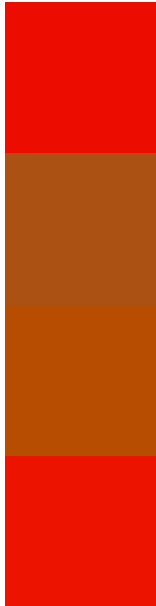
18.7798, 18.6139, 2.6030



Tritanopia

34.8790, 18.4067, 1.7145

Trichromacy



Original Color

35.0690, 18.2924, 1.6824

Protanomaly

20.0820, 14.7060, 2.4419

Deuteranomaly

21.9453, 15.2528, 1.7874

Tritanomaly

34.8249, 18.2986, 1.6965

Monochromacy



Original Color

35.0690, 18.2924, 1.6824

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

12.0953, 8.1969, 3.9623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0690, 18.2924, 1.6824 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, 13, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 13, 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(237, 13, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 13, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.0690, 18.2924, 1.6824 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, 13, 0) }
```


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

```
.border{ border-color:rgb(237, 13, 0) }
```

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

Here you see how a box with a 4 pixel rgb(237, 13, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 13, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 13, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 13, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.0690, 18.2924, 1.6824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 13, 0) }
```

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

```
.background{ background-color: rgb(237, 13,  
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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