

Converting Colors

XYZ(35.2407, 18.1366, 3.0352)

Have a look what the booklet for
XYZ(35.2407, 18.1366, 3.0352)
contains.

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Color

**XYZ(35.1858, 18.1088,
3.0074)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0020
RGB	237, 0, 32
RGB Percent	93%, 0%, 13%
CMY	0.0706, 0.9998, 0.8745
CMYK	0.00, 1.00, 0.86, 0.07
HSL	352°, 100%, 46%
HSV	352°, 100%, 93%
XYZ	35.1858, 18.1088, 3.0074
YIQ	74.5110, 130.9800, 60.1960

Conversions

Conversions Part 2

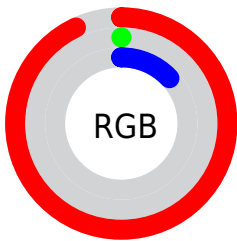
Format	Color
RYB	237, 0, 32
Decimal	15532064
CIELab	49.63, 76.14, 52.70
CIELCh	50, 92.594, 34.688
Yxy	18.1088, 0.6249, 0.3216
Android (android.graphics.Color)	4293722144 (0xFFED0020)
YUV	74.5110, -20.9579, 142.5029
Hunter-Lab	42.5544, 73.1211, 25.5980

Details

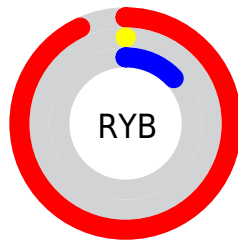
The XYZ color **35.1858, 18.1088, 3.0074** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **41.3110, 64.9789, 68.1582**, and the grayscale version is **6.6256, 6.9706, 7.5910**.

A 20% lighter version of the original color is **46.5656, 29.6532, 10.6665**, and **16.7946, 8.6579, 0.7860** is the 20% darker color. If you saturate the color by 10%, you get **35.1849, 18.1084, 3.0038**, and if you desaturate by 10%, it is **35.8778, 18.9003, 5.0660**.

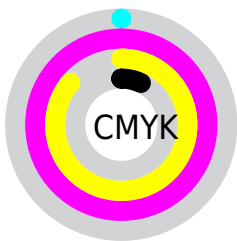
Distribution



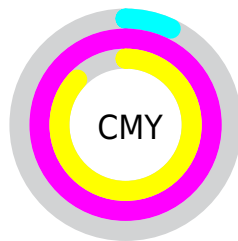
- Red (93%)
- Green (0%)
- Blue (13%)



- Red (93%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.1858, 18.1088, 3.0074 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 35.1858, 18.1088, 3.0074 by changing the saturation by 10% instead.


 35.1858, 18.1088,
3.0074


 35.1858, 18.1088,
3.0074


316.8813,
241.4836, 136.4548


 23.9732, 11.0281,
1.0984


 67.1056, 40.2226,
11.6467


 15.4384, 6.0858,
0.0000


 88.5436, 56.0246,
19.2141


 9.2159, 2.8973,
0.0000


 114.1207, 75.5024,
29.5047

 4.9405, 1.0784,
0.0000

 144.2024, 99.0405,
42.9370

 2.2468, 0.0000,
0.0000

 179.1539,
127.0233, 59.9297


 0.7672, 0.0000,
0.0000


 219.3407,


 0.0000, 0.0000,


159.8351, 80.9012


0.0000


 265.1280,
197.8604, 106.2700


 35.1858, 18.1088,
3.0074


 35.1858, 18.1088,
3.0074


 35.1849, 18.1084,
3.0038

 35.8778, 18.9003,
5.0660

 37.1627, 20.5555,
8.3141

 39.1868, 23.3305,
12.9140

 42.0427, 27.3787,
18.9945

 45.8090, 32.8290,
26.6691

■ 50.5552, 39.7948,
36.0404

■ 56.3439, 48.3778,
47.2018

■ 63.2326, 58.6706,
60.2403

■ 71.2744, 70.7592,
75.2371

Harmonies

Analogous

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



40.1501, 18.1088, 16.0203



35.1858, 18.1088, 3.0074



25.4968, 18.1088, 0.1301

Triad

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



35.1858, 18.1088, 3.0074



6.0080, 18.1088, 5.4180



18.6304, 18.1088, 118.0039

Complementary

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



35.1858, 18.1088, 3.0074



41.3110, 64.9789, 68.1582

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.



10.9496, 18.1088, 103.8272



35.1858, 18.1088, 3.0074



5.2645, 18.1088, 23.9436

Square

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



35.1858, 18.1088, 3.0074



9.2736, 18.1088, 0.6592



6.7191, 18.1088, 62.0855



28.7337, 18.1088, 92.3084

Rectangle

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



35.1858, 18.1088, 3.0074



18.8246, 18.1088, 0.0000



6.7191, 18.1088, 62.0855



15.6939, 18.1088, 117.8523

Sweetspot

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



35.1862, 18.1100, 3.0076



66.4251, 56.9661, 55.5325



39.4974, 18.5968, 81.6280



13.5670, 11.2260, 10.6383



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.



35.1862, 18.1100, 3.0076



41.5342, 21.3777, 3.4793



38.0175, 24.1892, 2.6669



15.1481, 15.0871, 16.0654



19.2369, 9.8975, 1.7831



1.5368, 0.7877, 0.2783

Inverse Universe

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



35.1862, 18.1100, 3.0076



41.5342, 21.3777, 3.4793



26.8538, 29.2491, 84.3505



15.1481, 15.0871, 16.0654



19.2369, 9.8975, 1.7831



1.5368, 0.7877, 0.2783

Previews

White Background



This preview shows how the XYZ color 35.1858, 18.1088, 3.0074 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 35.1858, 18.1088, 3.0074 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 35.1858, 18.1088, 3.0074

Background



This preview shows how black text looks on a background with the XYZ color 35.1858, 18.1088, 3.0074.



This preview shows how white text looks on a background with the XYZ color 35.1858, 18.1088,

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

35.1858, 18.1088, 3.0074

Protanopia

17.0552, 18.6858, 6.1978

Deuteranopia

18.7798, 18.6139, 2.6030



Tritanopia

34.8602, 18.3692, 1.7083

Trichromacy



Original Color

35.1858, 18.1088, 3.0074

Protanomaly

19.8722, 14.0241, 4.2443

Deuteranomaly

21.7403, 14.7367, 2.0465

Tritanomaly

34.8024, 18.1473, 2.0163

Monochromacy



Original Color

35.1858, 18.1088, 3.0074

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

11.6779, 7.4980, 4.9694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1858, 18.1088, 3.0074 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, 32)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 32)  
}
```

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, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 32) }
```

Border

The CSS property to change the border of an element to XYZ 35.1858, 18.1088, 3.0074 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, 32) }
```


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

```
.border{ border-color:rgb(237, 0, 32) }
```

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, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 32);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 32)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.1858, 18.1088, 3.0074 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, 32) }
```

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

```
.background{ background-color: rgb(237, 0,  
32) }
```

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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