

Converting Colors

XYZ(35.4739, 18.4155, 1.6849)

Have a look what the booklet for
XYZ(35.4739, 18.4155, 1.6849)
contains.

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Color

**XYZ(35.3467, 18.3508,
1.6791)**

Conversions

Conversions Part 1

Format	Color
Hex	EE0800
RGB	238, 8, 0
RGB Percent	93%, 3%, 0%
CMY	0.0667, 0.9684, 1.0000
CMYK	0.00, 0.97, 1.00, 0.07
HSL	2°, 100%, 47%
HSV	2°, 100%, 93%
XYZ	35.3467, 18.3508, 1.6791
YIQ	75.8580, 139.6480, 46.2720

Conversions

Conversions Part 2

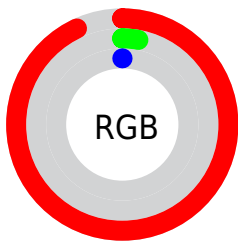
Format	Color
RYB	238, 8, 0
Decimal	15599616
CIELab	49.92, 75.43, 63.87
CIElCh	50, 98.839, 40.257
Yxy	18.3508, 0.6383, 0.3314
Android (android.graphics.Color)	4293789696 (0xFFEE0800)
YUV	75.8580, -37.3980, 142.1985
Hunter-Lab	42.8378, 72.3192, 27.6625

Details

The XYZ color **35.3467, 18.3508, 1.6791** 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 **43.7124, 62.7328, 90.6929**, and the grayscale version is **6.8981, 7.2573, 7.9032**.

A 20% lighter version of the original color is **45.9812, 29.5608, 7.1532**, and **16.7946, 8.6579, 0.7860** is the 20% darker color. If you saturate the color by 10%, you get **35.3471, 18.3519, 1.6793**, and if you desaturate by 10%, it is **35.9138, 19.2250, 2.6713**.

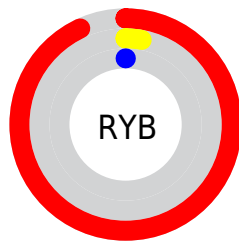
Distribution



Red (93%)

Green (3%)

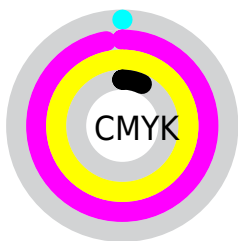
Blue (0%)



Red (93%)

Yellow (3%)

Blue (0%)

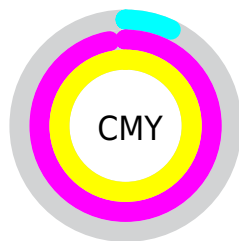


Cyan (0%)

Magenta (97%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (97%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 35.3467, 18.3508, 1.6791 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 35.3467, 18.3508, 1.6791 by changing the saturation by 10% instead.


 35.3467, 18.3508,
1.6791


 35.3467, 18.3508,
1.6791


 317.5773,
242.8410, 117.1762


 24.0978, 11.2021,
0.3464


 67.3530, 40.6342,
8.1433


 15.5313, 6.2030,
0.0000


 88.8411, 56.5377,
14.2345

 9.2819, 2.9689,
0.0000


 114.4731, 76.1283,
22.7897

 4.9841, 1.1155,
0.0000

 144.6142, 99.7903,
34.2276

 2.2726, 0.0000,
0.0000

 179.6298,
127.9082, 48.9667

 0.7806, 0.0000,
0.0000


 219.8853,


 0.0000, 0.0000,


160.8663, 67.4254


0.0000


 265.7460,
199.0491, 90.0224


 35.3467, 18.3508,
1.6791


 35.3467, 18.3508,
1.6791


 35.3471, 18.3519,
1.6793

 35.9138, 19.2250,
2.6713

 37.1064, 21.0300,
4.8569

 39.0668, 23.9509,
8.5930

 41.8951, 28.1284,
14.0958

 45.6763, 33.6826,
21.5472

■ 50.4852, 40.7197,
31.1066

■ 56.3893, 49.3353,
42.9168

■ 63.4502, 59.6172,
57.1084

■ 71.7251, 71.6467,
73.8019

Harmonies

Analogous

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



42.1836, 18.3508, 12.0616



35.3467, 18.3508, 1.6791



24.3413, 18.3508, 0.0000

Triad

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



35.3467, 18.3508, 1.6791



5.3069, 18.3508, 7.0382



20.8880, 18.3508, 127.6954

Complementary

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



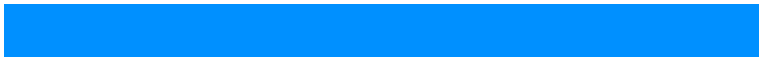
35.3467, 18.3508, 1.6791



43.7124, 62.7328, 90.6929

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.



11.9875, 18.3508, 120.1650



35.3467, 18.3508, 1.6791



4.9622, 18.3508, 30.7752

Square

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



35.3467, 18.3508, 1.6791



8.1254, 18.3508, 0.7438



6.9123, 18.3508, 76.1460



32.0467, 18.3508, 92.0069

Rectangle

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



35.3467, 18.3508, 1.6791



17.3603, 18.3508, 0.0000



6.9123, 18.3508, 76.1460



17.5237, 18.3508, 130.5843

Sweetspot

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



35.3471, 18.3520, 1.6793



65.8685, 57.5791, 50.0254



49.5518, 23.8939, 76.9117



13.4400, 11.3638, 9.3881



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.



35.3471, 18.3520, 1.6793



41.3337, 21.4475, 1.9612



42.8404, 33.3386, 4.1771



15.8157, 15.8445, 16.3744



19.7390, 10.2760, 0.9431



1.6571, 0.8849, 0.0835

Inverse Universe

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



43.7124, 62.7328, 90.6929



51.1167, 73.3534, 106.0722



21.1243, 17.5566, 83.1636



16.1988, 17.8317, 20.3097



24.4076, 35.0395, 50.6048



2.0448, 2.9435, 4.2146

Previews

White Background



This preview shows how the XYZ color 35.3467, 18.3508, 1.6791 looks on a white background.

Color Contrast Check

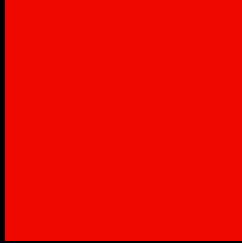
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.3467, 18.3508, 1.6791 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 35.3467, 18.3508, 1.6791

Background



This preview shows how black text looks on a background with the XYZ color 35.3467, 18.3508, 1.6791.



This preview shows how white text looks on a background with the XYZ color 35.3467, 18.3508,

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

35.3467, 18.3508, 1.6791

Protanopia

16.9555, 18.6828, 4.0088

Deuteranopia

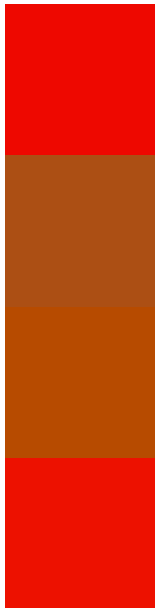
18.7798, 18.6139, 2.6030



Tritanopia

34.8790, 18.4067, 1.7145

Trichromacy



Original Color

35.3467, 18.3508, 1.6791

Protanomaly

19.9355, 14.4131, 2.3931

Deuteranomaly

22.0445, 15.0994, 1.7526

Tritanomaly

35.1255, 18.4054, 1.7013

Monochromacy



Original Color

35.3467, 18.3508, 1.6791

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.7090, 7.7319, 3.6716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3467, 18.3508, 1.6791 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(238, 8, 0)` looks like.

```
.text, #text, p{  
    color:rgb(238, 8, 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(238, 8, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 8, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.3467, 18.3508, 1.6791 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(238, 8, 0) }
```


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

```
.border{ border-color:rgb(238, 8, 0) }
```

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

Here you see how a box with a 4 pixel rgb(238, 8, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 8, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(238, 8, 0); box-shadow:4px  
4px 4px 4px rgb(238, 8, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3467, 18.3508, 1.6791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 8, 0) }
```

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

```
.background{ background-color: rgb(238, 8,  
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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