

Converting Colors

XYZ(35.7599, 18.4187, 1.7908)

Have a look what the booklet for
XYZ(35.7599, 18.4187, 1.7908)
contains.

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Color

**XYZ(35.6185, 18.3595,
1.7813)**

Conversions

Conversions Part 1

Format	Color
Hex	EF0004
RGB	239, 0, 4
RGB Percent	94%, 0%, 2%
CMY	0.0627, 0.9998, 0.9843
CMYK	0.00, 1.00, 0.98, 0.06
HSL	359°, 100%, 47%
HSV	359°, 100%, 94%
XYZ	35.6185, 18.3595, 1.7813
YIQ	71.9170, 141.1600, 51.9120

Conversions

Conversions Part 2

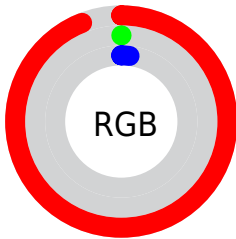
Format	Color
R_{YB}	239, 0, 4
Decimal	15663108
CIE _{Lab}	49.93, 76.30, 62.90
CIE _{LCh}	50, 98.886, 39.500
Yxy	18.3595, 0.6388, 0.3293
Android (android.graphics.Color)	4293853188 (0xFFEF0004)
YUV	71.9170, -33.4831, 146.5318
Hunter-Lab	42.8480, 73.3988, 27.5288

Details

The XYZ color **35.6185, 18.3595, 1.7813** 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 **45.8712, 67.7345, 89.2997**, and the grayscale version is **6.1900, 6.5124, 7.0920**.

A 20% lighter version of the original color is **45.9438, 29.4045, 7.3918**, and **17.0133, 8.7707, 0.7962** is the 20% darker color. If you saturate the color by 10%, you get **35.6179, 18.3592, 1.7795**, and if you desaturate by 10%, it is **36.1259, 19.0838, 2.8474**.

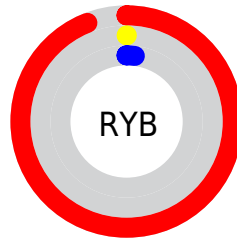
Distribution



Red (94%)

Green (0%)

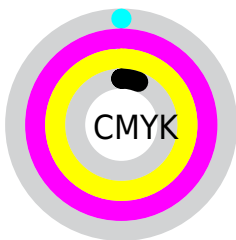
Blue (2%)



Red (94%)

Yellow (0%)

Blue (2%)

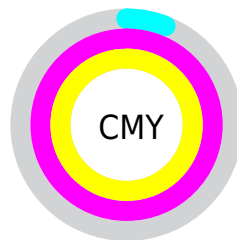


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (6%)



Cyan (6%)


Magenta (100%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6185, 18.3595, 1.7813 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 35.6185, 18.3595, 1.7813 by changing the saturation by 10% instead.


 35.6185, 18.3595,
1.7813


 35.6185, 18.3595,
1.7813


 318.7504,
242.8896, 118.8827


 24.3084, 11.2084,
0.4156


 67.7706, 40.6490,
8.4338


 15.6886, 6.2072,
0.0000


 89.3433, 56.5561,
14.6551

 9.3935, 2.9715,
0.0000


 115.0676, 76.1507,
23.3646

 5.0579, 1.1169,
0.0000

 145.3088, 99.8172,
34.9807

 2.3164, 0.0000,
0.0000

 180.4324,
127.9399, 49.9221


 0.8030, 0.0000,
0.0000


 220.8036,


 0.0000, 0.0000,


160.9033, 68.6072


0.0000


 266.7878,
199.0918, 91.4545


 35.6185, 18.3595,
1.7813


 35.6185, 18.3595,
1.7813


 35.6179, 18.3592,
1.7795

 36.1259, 19.0838,
2.8474

 37.2455, 20.6924,
5.1645

 39.1519, 23.4561,
9.0346

 41.9542, 27.5372,
14.6655

 45.7441, 33.0720,
22.2329

■ 50.6020, 40.1801,
31.8915

■ 56.6000, 48.9683,
43.7803

■ 63.8042, 59.5345,
58.0261

■ 72.2752, 71.9689,
74.7465

Harmonies

Analogous

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



42.2885, 18.3595, 12.5569



35.6185, 18.3595, 1.7813



24.6388, 18.3595, 0.0000

Triad

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



35.6185, 18.3595, 1.7813



5.3444, 18.3595, 6.7207



20.6327, 18.3595, 128.2212

Complementary

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



35.6185, 18.3595, 1.7813



45.8712, 67.7345, 89.2997

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.



11.8164, 18.3595, 119.4916



35.6185, 18.3595, 1.7813



4.9442, 18.3595, 29.8965

Square

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



35.6185, 18.3595, 1.7813



8.2385, 18.3595, 0.6839



6.8302, 18.3595, 74.9247



31.7912, 18.3595, 93.3157

Rectangle

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



35.6185, 18.3595, 1.7813



17.6096, 18.3595, 0.0000



6.8302, 18.3595, 74.9247



17.2917, 18.3595, 130.7001

Sweetspot

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



35.6189, 18.3607, 1.7815



65.4739, 56.5857, 50.5237



49.8470, 23.8983, 83.6462



13.3509, 11.1396, 9.5005



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.



35.6189, 18.3607, 1.7815



41.2630, 21.2692, 2.0513



41.7901, 30.7377, 3.7322



15.7834, 15.7631, 16.4155



19.6881, 10.1476, 1.0079



1.6415, 0.8457, 0.1033

Inverse Universe

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



35.6189, 18.3607, 1.7815



41.2630, 21.2692, 2.0513



22.7274, 20.5259, 84.4246



15.7834, 15.7631, 16.4155



19.6881, 10.1476, 1.0079



1.6415, 0.8457, 0.1033

Previews

White Background



This preview shows how the XYZ color 35.6185, 18.3595, 1.7813 looks on a white background.

Color Contrast Check

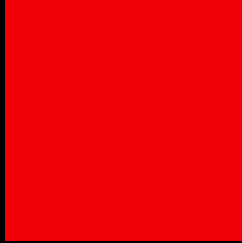
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.6185, 18.3595, 1.7813 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 35.6185, 18.3595, 1.7813

Background



This preview shows how black text looks on a background with the XYZ color 35.6185, 18.3595, 1.7813.



This preview shows how white text looks on a background with the XYZ color 35.6185, 18.3595,

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

35.6185, 18.3595, 1.7813

Protanopia

17.0764, 18.9246, 4.0491

Deuteranopia

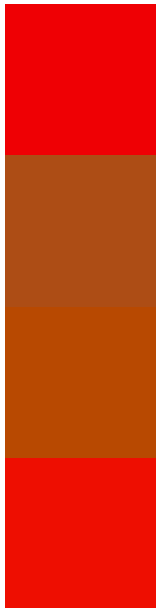
19.0796, 18.9369, 2.6496



Tritanopia

35.2120, 18.5783, 1.7301

Trichromacy



Original Color

35.6185, 18.3595, 1.7813

Protanomaly

20.0228, 14.2461, 2.4039

Deuteranomaly

22.1552, 14.9576, 1.7481

Tritanomaly

35.4224, 18.4934, 1.7313

Monochromacy



Original Color

35.6185, 18.3595, 1.7813

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

11.1630, 7.1458, 3.4802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6185, 18.3595, 1.7813 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(239, 0, 4)` looks like.

```
.text, #text, p{  
    color:rgb(239, 0, 4)  
}
```

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(239, 0, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 0, 4) }
```

Border

The CSS property to change the border of an element to XYZ 35.6185, 18.3595, 1.7813 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(239, 0, 4) }
```


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

```
.border{ border-color:rgb(239, 0, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 0, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 0, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(239, 0, 4); box-shadow:4px  
4px 4px 4px rgb(239, 0, 4) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6185, 18.3595, 1.7813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 0, 4) }
```

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

```
.background{ background-color: rgb(239, 0,  
4) }
```

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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