

Converting Colors

XYZ(35.7596, 18.4029, 3.1113)

Have a look what the booklet for
XYZ(35.7596, 18.4029, 3.1113)
contains.

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Color

**XYZ(35.8711, 18.4605,
3.1115)**

Conversions

Conversions Part 1

Format	Color
Hex	EF0021
RGB	239, 0, 33
RGB Percent	94%, 0%, 13%
CMY	0.0627, 0.9998, 0.8706
CMYK	0.00, 1.00, 0.86, 0.06
HSL	352°, 100%, 47%
HSV	352°, 100%, 94%
XYZ	35.8711, 18.4605, 3.1115
YIQ	75.2230, 131.8510, 60.9310

Conversions

Conversions Part 2

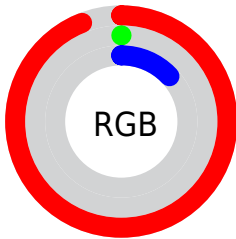
Format	Color
RYB	239, 0, 33
Decimal	15663137
CIELab	50.05, 76.63, 52.73
CIElCh	50, 93.024, 34.533
Yxy	18.4605, 0.6245, 0.3214
Android (android.graphics.Color)	4293853217 (0xFFEF0021)
YUV	75.2230, -20.8159, 143.6324
Hunter-Lab	42.9657, 73.8358, 25.7823

Details

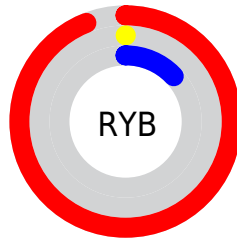
The XYZ color **35.8711, 18.4605, 3.1115** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **42.0147, 66.1919, 68.9915**, and the grayscale version is **6.7538, 7.1055, 7.7379**.

A 20% lighter version of the original color is **46.6023, 29.6679, 10.8597**, and **17.2336, 8.8842, 0.8065** is the 20% darker color. If you saturate the color by 10%, you get **35.8701, 18.4601, 3.1077**, and if you desaturate by 10%, it is **36.5788, 19.2648, 5.2323**.

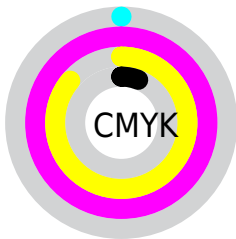
Distribution



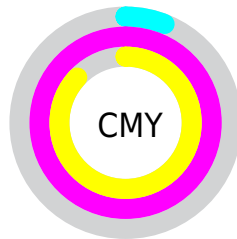
- Red (94%)
- Green (0%)
- Blue (13%)



- Red (94%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8711, 18.4605, 3.1115 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 35.8711, 18.4605, 3.1115 by changing the saturation by 10% instead.


 35.8711, 18.4605,
3.1115


 35.8711, 18.4605,
3.1115


319.8379,
243.4540, 137.7683


 24.5043, 11.2811,
1.1518


 68.1582, 40.8205,
11.9024

 15.8349, 6.2562,
0.0000


 89.8093, 56.7698,
19.5706


 9.4975, 3.0015,
0.0000


 115.6192, 76.4113,
29.9789

 5.1268, 1.1325,
0.0000

 145.9532,
100.1292, 43.5456

 2.3574, 0.0055,
0.0000

 181.1767,
128.3081, 60.6894


 0.8238, 0.0000,
0.0000


 221.6551,


 0.0000, 0.0000,


161.3322, 81.8287


0.0000


 267.7537,
199.5861, 107.3822


 35.8711, 18.4605,
3.1115


 35.8711, 18.4605,
3.1115


 35.8701, 18.4601,
3.1077

 36.5788, 19.2648,
5.2323

 37.8907, 20.9503,
8.5627

 39.9554, 23.7772,
13.2663

 42.8670, 27.9019,
19.4732

 46.7057, 33.4562,
27.2983

■ 51.5422, 40.5555,
36.8448

■ 57.4403, 49.3037,
48.2075

■ 64.4584, 59.7953,
61.4743

■ 72.6507, 72.1180,
76.7271

Harmonies

Analogous

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



40.8828, 18.4605, 16.4533



35.8711, 18.4605, 3.1115



26.0295, 18.4605, 0.1614

Triad

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



35.8711, 18.4605, 3.1115



6.1483, 18.4605, 5.4884



18.9409, 18.4605, 120.0433

Complementary

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



35.8711, 18.4605, 3.1115



42.0147, 66.1919, 68.9915

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.



11.1410, 18.4605, 105.4319



35.8711, 18.4605, 3.1115



5.3789, 18.4605, 24.2501

Square

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



35.8711, 18.4605, 3.1115



9.4906, 18.4605, 0.6754



6.8490, 18.4605, 62.9497



29.2136, 18.4605, 94.1108

Rectangle

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



35.8711, 18.4605, 3.1115



19.2363, 18.4605, 0.0000



6.8490, 18.4605, 62.9497



15.9580, 18.4605, 119.8130

Sweetspot

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



35.8715, 18.4617, 3.1117



66.4504, 56.9763, 55.6658



40.2522, 18.9520, 83.1973



13.5727, 11.2283, 10.6688



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.



35.8715, 18.4617, 3.1117



41.5457, 21.3823, 3.5397



38.7429, 24.6431, 2.7164



15.8615, 15.7943, 16.8270



19.8503, 10.2126, 1.8624



1.6789, 0.8606, 0.2997

Inverse Universe

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



35.8715, 18.4617, 3.1117



41.5457, 21.3823, 3.5397



27.3637, 29.7985, 85.9702



15.8615, 15.7943, 16.8270



19.8503, 10.2126, 1.8624



1.6789, 0.8606, 0.2997

Previews

White Background



This preview shows how the XYZ color 35.8711, 18.4605, 3.1115 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 35.8711, 18.4605, 3.1115 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 35.8711, 18.4605, 3.1115

Background



This preview shows how black text looks on a background with the XYZ color 35.8711, 18.4605, 3.1115.



This preview shows how white text looks on a background with the XYZ color 35.8711, 18.4605,

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

35.8711, 18.4605, 3.1115

Protanopia

17.3585, 19.0189, 6.3706

Tritanopia

35.5468, 18.7510, 1.7458

Trichromacy



Original Color

35.8711, 18.4605, 3.1115

Protanomaly

20.1802, 14.2836, 4.3827

Tritanomaly

35.4833, 18.5178, 2.0519

Monochromacy



Original Color

35.8711, 18.4605, 3.1115

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

11.8642, 7.5910, 5.1149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8711, 18.4605, 3.1115 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, 33)` looks like.

```
.text, #text, p{  
  color:rgb(239, 0, 33)  
}
```

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, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 0, 33) }
```

Border

The CSS property to change the border of an element to XYZ 35.8711, 18.4605, 3.1115 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, 33) }
```

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

```
.border{ border-color:rgb(239, 0, 33) }
```

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, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 0, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 0, 33);  
box-shadow:4px 4px 4px 4px rgb(239, 0, 33)  
}
```


Background

The CSS property to change the background color of an element to XYZ 35.8711, 18.4605, 3.1115 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, 33) }
```

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

```
.background{ background-color: rgb(239, 0,  
33) }
```

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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