

Converting Colors

XYZ(35.3159, 18.1666, 3.4310)

Have a look what the booklet for
XYZ(35.3159, 18.1666, 3.4310)
contains.

XYZ(35.2590, 18.1381, 3.3929)	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(35.2590, 18.1381,
3.3929)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0025
RGB	237, 0, 37
RGB Percent	93%, 0%, 15%
CMY	0.0706, 0.9998, 0.8549
CMYK	0.00, 1.00, 0.84, 0.07
HSL	351°, 100%, 46%
HSV	351°, 100%, 93%
XYZ	35.2590, 18.1381, 3.3929
YIQ	75.0810, 129.3750, 61.7510

Conversions

Conversions Part 2

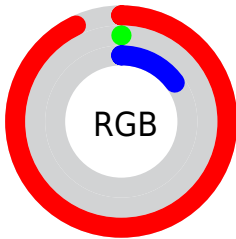
Format	Color
RYB	237, 0, 37
Decimal	15532069
CIELab	49.66, 76.23, 50.28
CIELCh	50, 91.319, 33.405
Yxy	18.1381, 0.6209, 0.3194
Android (android.graphics.Color)	4293722149 (0xFFED0025)
YUV	75.0810, -18.7739, 142.0030
Hunter-Lab	42.5888, 73.2484, 25.0888

Details

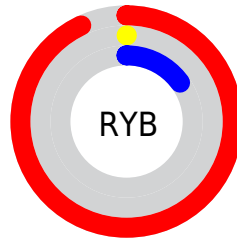
The XYZ color **35.2590, 18.1381, 3.3929** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **40.7169, 64.7412, 65.0298**, and the grayscale version is **6.7247, 7.0749, 7.7046**.

A 20% lighter version of the original color is **46.7546, 29.7288, 11.6615**, and **16.7946, 8.6579, 0.7860** is the 20% darker color. If you saturate the color by 10%, you get **35.2580, 18.1377, 3.3888**, and if you desaturate by 10%, it is **35.9852, 18.9433, 5.6314**.

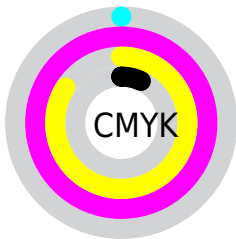
Distribution



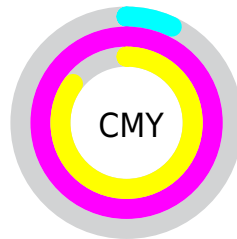
- Red (93%)
- Green (0%)
- Blue (15%)



- Red (93%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (84%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2590, 18.1381, 3.3929 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 35.2590, 18.1381, 3.3929 by changing the saturation by 10% instead.


 35.2590, 18.1381,
3.3929


 35.2590, 18.1381,
3.3929


317.1981,
241.6483, 141.2175


 24.0299, 11.0492,
1.2986


 67.2182, 40.2725,
12.5835


 15.4807, 6.0999,
0.0606


 88.6790, 56.0868,
20.5168


 9.2459, 2.9059,
0.0000


 114.2811, 75.5783,
31.2335

 4.9603, 1.0828,
0.0000

 144.3898, 99.1314,
45.1522

 2.2585, 0.0000,
0.0000

 179.3705,
127.1306, 62.6914

 0.7733, 0.0000,
0.0000

 219.5885,

 0.0000, 0.0000,

159.9602, 84.2697

0.0000

265.4093,
198.0047, 110.3055

35.2590, 18.1381,
3.3929

35.2590, 18.1381,
3.3929

35.2580, 18.1377,
3.3888

35.9852, 18.9433,
5.6314

37.2997, 20.6103,
9.0353

39.3466, 23.3945,
13.7547

42.2164, 27.4483,
19.9088

45.9864, 32.9002,
27.6029

■ 50.7248, 39.8629,
36.9325

■ 56.4929, 48.4377,
47.9851

■ 63.3471, 58.7168,
60.8419

■ 71.3396, 70.7857,
75.5791

Harmonies

Analogous

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



39.8383, 18.1381, 17.0446



35.2590, 18.1381, 3.3929



25.8412, 18.1381, 0.2775

Triad

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



35.2590, 18.1381, 3.3929



6.2092, 18.1381, 5.1503



18.2500, 18.1381, 116.1780

Complementary

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



35.2590, 18.1381, 3.3929



40.7169, 64.7412, 65.0298

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.



10.7964, 18.1381, 100.7167



35.2590, 18.1381, 3.3929



5.3712, 18.1381, 22.7260

Square

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



35.2590, 18.1381, 3.3929



9.5879, 18.1381, 0.6567



6.7246, 18.1381, 59.4747



28.1554, 18.1381, 92.5387

Rectangle

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



35.2590, 18.1381, 3.3929



19.2281, 18.1381, 0.0000



6.7246, 18.1381, 59.4747



15.3934, 18.1381, 115.4240

Sweetspot

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



35.2594, 18.1393, 3.3931



66.6011, 57.0365, 56.4591



38.4462, 18.0549, 81.5788



13.6072, 11.2421, 10.8504



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.



35.2594, 18.1393, 3.3931



41.6189, 21.4115, 3.9251



37.7240, 23.6022, 2.5691



15.1612, 15.0923, 16.1342



19.2801, 9.9147, 2.0105



1.5430, 0.7902, 0.3109

Inverse Universe

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



35.2594, 18.1393, 3.3931



41.6189, 21.4115, 3.9251



27.5169, 30.5751, 84.5715



15.1612, 15.0923, 16.1342



19.2801, 9.9147, 2.0105



1.5430, 0.7902, 0.3109

Previews

White Background



This preview shows how the XYZ color 35.2590, 18.1381, 3.3929 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 35.2590, 18.1381, 3.3929 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 35.2590, 18.1381, 3.3929

Background



This preview shows how black text looks on a background with the XYZ color 35.2590, 18.1381, 3.3929.



This preview shows how white text looks on a background with the XYZ color 35.2590, 18.1381,

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

35.2590, 18.1381, 3.3929

Protanopia

17.0478, 18.6647, 6.9791

Deuteranopia

18.9662, 18.7100, 2.6118



Tritanopia

34.8602, 18.3692, 1.7083

Trichromacy



Original Color

35.2590, 18.1381, 3.3929

Protanomaly

19.7818, 13.9629, 4.9013

Deuteranomaly

21.9836, 14.8614, 2.0906

Tritanomaly

34.8086, 18.1498, 2.0494

Monochromacy



Original Color

35.2590, 18.1381, 3.3929

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

11.7308, 7.5192, 5.2479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2590, 18.1381, 3.3929 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, 37)` looks like.

```
.text, #text, p{  
  color:rgb(237, 0, 37)  
}
```

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, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 37) }
```

Border

The CSS property to change the border of an element to XYZ 35.2590, 18.1381, 3.3929 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, 37) }
```


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

```
.border{ border-color:rgb(237, 0, 37) }
```

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, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 37);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 37)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.2590, 18.1381, 3.3929 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, 37) }
```

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

```
.background{ background-color: rgb(237, 0,  
37) }
```

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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