

Converting Colors

XYZ(35.4200, 18.2083, 3.9793)

Have a look what the booklet for
XYZ(35.4200, 18.2083, 3.9793)
contains.

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Color

**XYZ(35.3611, 18.1789,
3.9306)**

Conversions

Conversions Part 1

Format	Color
Hex	ED002B
RGB	237, 0, 43
RGB Percent	93%, 0%, 17%
CMY	0.0706, 0.9998, 0.8314
CMYK	0.00, 1.00, 0.82, 0.07
HSL	349°, 100%, 46%
HSV	349°, 100%, 93%
XYZ	35.3611, 18.1789, 3.9306
YIQ	75.7650, 127.4490, 63.6170

Conversions

Conversions Part 2

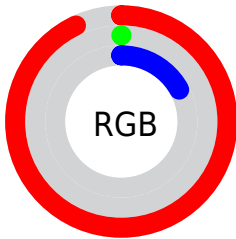
Format	Color
RYB	237, 0, 43
Decimal	15532075
CIELab	49.71, 76.37, 47.20
CIElCh	50, 89.776, 31.718
Yxy	18.1789, 0.6153, 0.3163
Android (android.graphics.Color)	4293722155 (0xFFED002B)
YUV	75.7650, -16.1531, 141.4031
Hunter-Lab	42.6367, 73.4261, 24.3799

Details

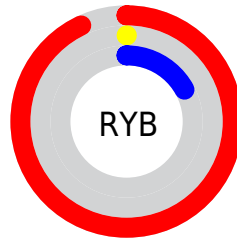
The XYZ color **35.3611, 18.1789, 3.9306** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **40.0286, 64.4659, 61.4056**, and the grayscale version is **6.8445, 7.2009, 7.8418**.

A 20% lighter version of the original color is **46.9998, 29.8269, 12.9529**, and **16.7946, 8.6579, 0.7860** is the 20% darker color. If you saturate the color by 10%, you get **35.3600, 18.1785, 3.9261**, and if you desaturate by 10%, it is **36.1271, 19.0000, 6.3791**.

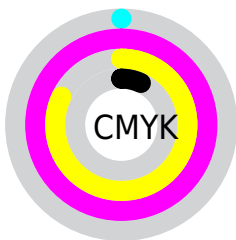
Distribution



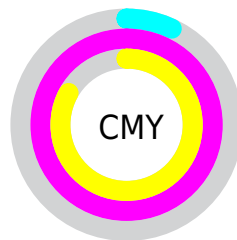
- Red (93%)
- Green (0%)
- Blue (17%)



- Red (93%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (82%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.3611, 18.1789, 3.9306 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 35.3611, 18.1789, 3.9306 by changing the saturation by 10% instead.


 35.3611, 18.1789,
3.9306


 35.3611, 18.1789,
3.9306


317.6395,
241.8775, 147.4508

 24.1090, 11.0785,
1.5873


 67.3751, 40.3419,
13.8494


 15.5397, 6.1197,
0.2818


 88.8678, 56.1734,
22.2620

 9.2878, 2.9180,
0.0000


 114.5046, 75.6839,
33.5348

 4.9880, 1.0891,
0.0000

 144.6510, 99.2580,
48.0864

 2.2749, 0.0000,
0.0000

 179.6724,
127.2800, 66.3352

 0.7818, 0.0000,
0.0000

 219.9340,

 0.0000, 0.0000,

160.1343, 88.6999

0.0000

265.8013,
198.2054, 115.5989

■ 35.3611, 18.1789,
3.9306

■ 35.3611, 18.1789,
3.9306

■ 35.3600, 18.1785,
3.9261

■ 36.1271, 19.0000,
6.3791

■ 37.4754, 20.6805,
9.9612

■ 39.5475, 23.4746,
14.8136

■ 42.4320, 27.5342,
21.0449

■ 46.2043, 32.9869,
28.7517

■ 50.9312, 39.9449,
38.0215

■ 56.6729, 48.5089,
48.9351

■ 63.4844, 58.7708,
61.5673

■ 71.4168, 70.8156,
75.9886

Harmonies

Analogous

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



39.4529, 18.1789, 18.4166



35.3611, 18.1789, 3.9306



26.2907, 18.1789, 0.4651

Triad

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



35.3611, 18.1789, 3.9306



6.4729, 18.1789, 4.8221



17.7756, 18.1789, 113.9112

Complementary

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



35.3611, 18.1789, 3.9306



40.0286, 64.4659, 61.4056

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.



10.6044, 18.1789, 96.8690



35.3611, 18.1789, 3.9306



5.5096, 18.1789, 21.2378

Square

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



35.3611, 18.1789, 3.9306



10.0003, 18.1789, 0.6532



6.7322, 18.1789, 56.2673



27.4353, 18.1789, 92.8603

Rectangle

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



35.3611, 18.1789, 3.9306



19.7549, 18.1789, 0.0000



6.7322, 18.1789, 56.2673



15.0182, 18.1789, 112.4097

Sweetspot

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



35.3615, 18.1801, 3.9308



66.8150, 57.1221, 57.5854



37.4219, 17.5268, 81.5309



13.6563, 11.2618, 11.1087



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.



35.3615, 18.1801, 3.9308



41.7374, 21.4590, 4.5493



37.4472, 23.0487, 2.4768



15.1769, 15.0986, 16.2171



19.3397, 9.9386, 2.3242



1.5505, 0.7931, 0.3501

Inverse Universe

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



35.3615, 18.1801, 3.9308



41.7374, 21.4590, 4.5493



28.2013, 31.9440, 84.7997



15.1769, 15.0986, 16.2171



19.3397, 9.9386, 2.3242



1.5505, 0.7931, 0.3501

Previews

White Background



This preview shows how the XYZ color 35.3611, 18.1789, 3.9306 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 35.3611, 18.1789, 3.9306 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 35.3611, 18.1789, 3.9306

Background



This preview shows how black text looks on a background with the XYZ color 35.3611, 18.1789, 3.9306.



This preview shows how white text looks on a background with the XYZ color 35.3611, 18.1789,

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

35.3611, 18.1789, 3.9306

Protanopia

17.2756, 18.7558, 8.1786

Deuteranopia

18.9246, 18.6719, 3.3657



Tritanopia

34.8602, 18.3692, 1.7083

Trichromacy



Original Color

35.3611, 18.1789, 3.9306

Protanomaly

19.9514, 14.0307, 5.7943

Deuteranomaly

21.9083, 14.8039, 2.9310

Tritanomaly

34.8295, 18.1581, 2.1594

Monochromacy



Original Color

35.3611, 18.1789, 3.9306

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.9740, 7.6350, 5.6931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3611, 18.1789, 3.9306 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, 43)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 43)  
}
```

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, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 43) }
```

Border

The CSS property to change the border of an element to XYZ 35.3611, 18.1789, 3.9306 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, 43) }
```


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

```
.border{ border-color:rgb(237, 0, 43) }
```

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, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 43);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 43)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.3611, 18.1789, 3.9306 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, 43) }
```

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

```
.background{ background-color: rgb(237, 0,  
43) }
```

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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