

Converting Colors

XYZ(35.4387, 18.2158, 4.0777)

Have a look what the booklet for
XYZ(35.4387, 18.2158, 4.0777)
contains.

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Color

**XYZ(35.3797, 18.1864,
4.0285)**

Conversions

Conversions Part 1

Format	Color
Hex	ED002C
RGB	237, 0, 44
RGB Percent	93%, 0%, 17%
CMY	0.0706, 0.9998, 0.8274
CMYK	0.00, 1.00, 0.81, 0.07
HSL	349°, 100%, 46%
HSV	349°, 100%, 93%
XYZ	35.3797, 18.1864, 4.0285
YIQ	75.8790, 127.1280, 63.9280

Conversions

Conversions Part 2

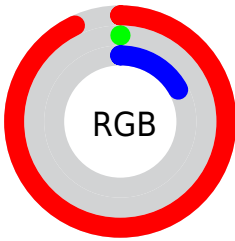
Format	Color
RYB	237, 0, 44
Decimal	15532076
CIELab	49.72, 76.39, 46.67
CIELCh	50, 89.519, 31.422
Yxy	18.1864, 0.6143, 0.3158
Android (android.graphics.Color)	4293722156 (0xFFED002C)
YUV	75.8790, -15.7163, 141.3031
Hunter-Lab	42.6455, 73.4581, 24.2510

Details

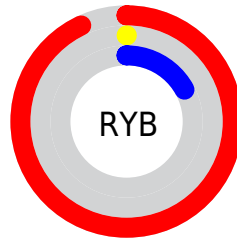
The XYZ color **35.3797, 18.1864, 4.0285** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **39.9170, 64.4212, 60.8175**, and the grayscale version is **6.8650, 7.2225, 7.8653**.

A 20% lighter version of the original color is **47.0427, 29.8440, 13.1786**, and **16.7946, 8.6579, 0.7860** is the 20% darker color. If you saturate the color by 10%, you get **35.3785, 18.1859, 4.0236**, and if you desaturate by 10%, it is **36.1523, 19.0101, 6.5114**.

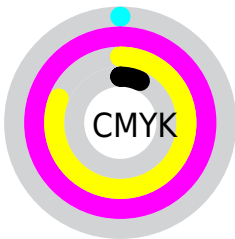
Distribution



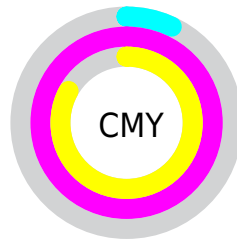
- Red (93%)
- Green (0%)
- Blue (17%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (81%)
- Black (7%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.3797, 18.1864, 4.0285 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 35.3797, 18.1864, 4.0285 by changing the saturation by 10% instead.


 35.3797, 18.1864,
4.0285


 35.3797, 18.1864,
4.0285


317.7199,
241.9196, 148.5416


 24.1234, 11.0839,
1.6410


 67.4037, 40.3547,
14.0754


 15.5504, 6.1233,
0.3198


 88.9021, 56.1893,
22.5719

 9.2954, 2.9202,
0.0000


 114.5453, 75.7033,
33.9419

 4.9930, 1.0902,
0.0000

 144.6986, 99.2812,
48.6037

 2.2779, 0.0000,
0.0000

 179.7273,
127.3074, 66.9761

 0.7833, 0.0000,
0.0000

 219.9969,

 0.0000, 0.0000,

160.1663, 89.4775

0.0000

265.8726,
198.2422, 116.5265

■ 35.3797, 18.1864,
4.0285

■ 35.3797, 18.1864,
4.0285

■ 35.3785, 18.1859,
4.0236

■ 36.1523, 19.0101,
6.5114

■ 37.5061, 20.6930,
10.1223

■ 39.5823, 23.4889,
14.9959

■ 42.4691, 27.5495,
21.2391

■ 46.2418, 33.0026,
28.9472

■ 50.9668, 39.9600,
38.2063

■ 56.7040, 48.5224,
49.0962

■ 63.5085, 58.7817,
61.6907

■ 71.4311, 70.8227,
76.0594

Harmonies

Analogous

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



39.3880, 18.1864, 18.6602



35.3797, 18.1864, 4.0285



26.3693, 18.1864, 0.4974

Triad

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



35.3797, 18.1864, 4.0285



6.5191, 18.1864, 4.7671



17.6954, 18.1864, 113.5280

Complementary

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



35.3797, 18.1864, 4.0285



39.9170, 64.4212, 60.8175

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.



10.5719, 18.1864, 96.2205



35.3797, 18.1864, 4.0285



5.5338, 18.1864, 20.9892

Square

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



35.3797, 18.1864, 4.0285



10.0726, 18.1864, 0.6526



6.7336, 18.1864, 55.7294



27.3135, 18.1864, 92.9186

Rectangle

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



35.3797, 18.1864, 4.0285



19.8470, 18.1864, 0.0000



6.7336, 18.1864, 55.7294



14.9547, 18.1864, 111.9003

Sweetspot

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



35.3801, 18.1876, 4.0287



66.8508, 57.1364, 57.7741



36.4249, 17.0129, 81.4842



13.6645, 11.2650, 11.1521



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.



35.3801, 18.1876, 4.0287



41.7589, 21.4676, 4.6628



37.1874, 22.5291, 2.3903



15.1796, 15.0997, 16.2309



19.3504, 9.9429, 2.3807



1.5517, 0.7936, 0.3566

Inverse Universe

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



35.3801, 18.1876, 4.0287



41.7589, 21.4676, 4.6628



28.9080, 33.3573, 85.0352



15.1796, 15.0997, 16.2309



19.3504, 9.9429, 2.3807



1.5517, 0.7936, 0.3566

Previews

White Background



This preview shows how the XYZ color 35.3797, 18.1864, 4.0285 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 35.3797, 18.1864, 4.0285 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 35.3797, 18.1864, 4.0285

Background



This preview shows how black text looks on a background with the XYZ color 35.3797, 18.1864, 4.0285.



This preview shows how white text looks on a background with the XYZ color 35.3797, 18.1864,

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

35.3797, 18.1864, 4.0285

Protanopia

17.3064, 18.7681, 8.3407

Deuteranopia

18.9447, 18.6799, 3.4712



Tritanopia

34.8602, 18.3692, 1.7083

Trichromacy



Original Color

35.3797, 18.1864, 4.0285

Protanomaly

19.9776, 14.0412, 5.9322

Deuteranomaly

21.9213, 14.8091, 2.9994

Tritanomaly

34.8295, 18.1581, 2.1594

Monochromacy



Original Color

35.3797, 18.1864, 4.0285

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 35.3797, 18.1864, 4.0285 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, 44)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 44)  
}
```

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, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 44) }
```

Border

The CSS property to change the border of an element to XYZ 35.3797, 18.1864, 4.0285 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, 44) }
```


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

```
.border{ border-color:rgb(237, 0, 44) }
```

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, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 44);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 44)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.3797, 18.1864, 4.0285 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, 44) }
```

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

```
.background{ background-color: rgb(237, 0,  
44) }
```

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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