

Converting Colors

XYZ(35.5459, 18.2290, 7.5612)

Have a look what the booklet for
XYZ(35.5459, 18.2290, 7.5612)
contains.

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Color

**XYZ(35.4200, 18.1605,
7.5997)**

Conversions

Conversions Part 1

Format	Color
Hex	EB0247
RGB	235, 2, 71
RGB Percent	92%, 1%, 28%
CMY	0.0784, 0.9919, 0.7216
CMYK	0.00, 0.99, 0.70, 0.08
HSL	342°, 98%, 46%
HSV	342°, 99%, 92%
XYZ	35.4200, 18.1605, 7.5997
YIQ	79.5330, 116.7190, 70.8550

Conversions

Conversions Part 2

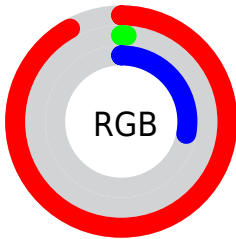
Format	Color
RYB	235, 2, 71
Decimal	15401543
CIELab	49.69, 76.66, 30.91
CIELCh	50, 82.661, 21.961
Yxy	18.1605, 0.5789, 0.2968
Android (android.graphics.Color)	4293591623 (0xFFEB0247)
YUV	79.5330, -4.2068, 136.3446
Hunter-Lab	42.6151, 73.7856, 19.2572

Details

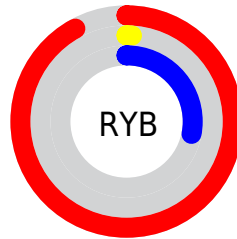
The XYZ color **35.4200, 18.1605, 7.5997** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **36.6219, 62.1848, 46.1758**, and the grayscale version is **7.5324, 7.9247, 8.6300**.

A 20% lighter version of the original color is **48.5725, 30.5973, 20.7986**, and **16.7993, 8.6348, 1.9436** is the 20% darker color. If you saturate the color by 10%, you get **35.3522, 18.0986, 7.3507**, and if you desaturate by 10%, it is **36.3631, 19.0784, 10.8999**.

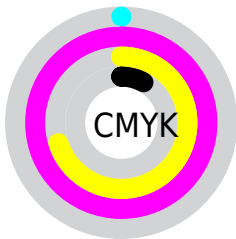
Distribution



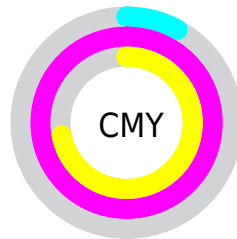
- Red (92%)
- Green (1%)
- Blue (28%)



- Red (92%)
- Yellow (1%)
- Blue (28%)



- Cyan (0%)
- Magenta (99%)
- Yellow (70%)
- Black (8%)





- Cyan (8%)
- Magenta (99%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4200, 18.1605, 7.5997 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 35.4200, 18.1605, 7.5997 by changing the saturation by 10% instead.


 35.4200, 18.1605,
7.5997


 35.4200, 18.1605,
7.5997


317.8940,
241.7742, 182.3734


 24.1546, 11.0653,
3.7558


 67.4657, 40.3106,
21.7029


 15.5737, 6.1108,
1.4924


 88.9766, 56.1343,
32.7994

 9.3119, 2.9125,
0.2122


 114.6335, 75.6363,
47.1504

 5.0039, 1.0862,
0.0000

 144.8016, 99.2009,
65.1746

 2.2844, 0.0000,
0.0000

 179.8464,
127.2126, 87.2904

 0.7866, 0.0000,
0.0000

 220.1331,

 0.0000, 0.0000,

160.0558, 113.9165

0.0000

266.0272,
198.1149, 145.4713

■ 35.4200, 18.1605,
7.5997

■ 35.4200, 18.1605,
7.5997

■ 35.3522, 18.0986,
7.3507

■ 36.3631, 19.0784,
10.8999

■ 37.8647, 20.8647,
15.1522

■ 40.0430, 23.7406,
20.4437

■ 42.9770, 27.8493,
26.8446

■ 46.7337, 33.3124,
34.4181

■ 51.3727, 40.2363,
43.2222

■ 56.9479, 48.7169,
53.3107

■ 63.5085, 58.8421,
64.7341

■ 71.1004, 70.6928,
77.5401

Harmonies

Analogous

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



36.9736, 18.1605, 26.4674



35.4200, 18.1605, 7.5997



28.3524, 18.1605, 1.5199

Triad

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



35.4200, 18.1605, 7.5997



7.8825, 18.1605, 3.2948



15.2320, 18.1605, 101.0860

Complementary

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



35.4200, 18.1605, 7.5997



36.6219, 62.1848, 46.1758

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.



9.5210, 18.1605, 77.2282



35.4200, 18.1605, 7.5997



6.2023, 18.1605, 14.3160

Square

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



35.4200, 18.1605, 7.5997



12.2023, 18.1605, 0.6299



6.6941, 18.1605, 40.7862



23.5542, 18.1605, 93.2382

Rectangle

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



35.4200, 18.1605, 7.5997



22.3782, 18.1605, 0.4947



6.6941, 18.1605, 40.7862



12.9902, 18.1605, 96.1169

Sweetspot

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



35.4204, 18.1616, 7.6000



67.8194, 57.5238, 62.8745



30.5589, 14.0546, 79.6990



13.8883, 11.3545, 12.3303



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.



35.4204, 18.1616, 7.6000



42.5262, 21.7745, 8.7031



35.3555, 19.8336, 2.0239



15.2489, 15.1274, 16.5960



19.7239, 10.0923, 4.3476



1.5897, 0.8088, 0.5567

Inverse Universe

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



35.4204, 18.1616, 7.6000



42.5262, 21.7745, 8.7031



33.0922, 42.1536, 84.9891



15.2489, 15.1274, 16.5960



19.7239, 10.0923, 4.3476



1.5897, 0.8088, 0.5567

Previews

White Background



This preview shows how the XYZ color 35.4200, 18.1605, 7.5997 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 35.4200, 18.1605, 7.5997 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 35.4200, 18.1605, 7.5997

Background



This preview shows how black text looks on a background with the XYZ color 35.4200, 18.1605, 7.5997.

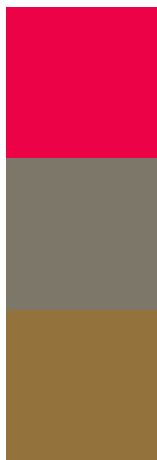


This preview shows how white text looks on a background with the XYZ color 35.4200, 18.1605,

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

35.4200, 18.1605, 7.5997

Protanopia

17.6041, 18.5735, 16.0218

Deuteranopia

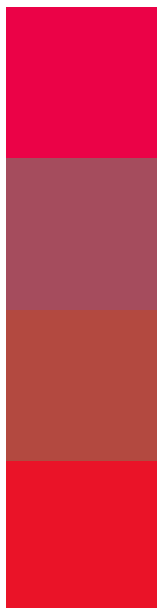
18.8655, 18.5639, 6.8638



Tritanopia

34.5257, 18.4330, 2.5488

Trichromacy



Original Color

35.4200, 18.1605, 7.5997

Protanomaly

20.0773, 13.9585, 11.9920

Deuteranomaly

21.8984, 14.7190, 6.5374

Tritanomaly

34.5476, 18.1114, 3.6825

Monochromacy



Original Color

35.4200, 18.1605, 7.5997

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

12.7209, 8.2260, 7.9385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4200, 18.1605, 7.5997 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(235, 2, 71)` looks like.

```
.text, #text, p{  
    color:rgb(235, 2, 71)  
}
```

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(235, 2, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 2, 71) }
```

Border

The CSS property to change the border of an element to XYZ 35.4200, 18.1605, 7.5997 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(235, 2, 71) }
```


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

```
.border{ border-color:rgb(235, 2, 71) }
```

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

Here you see how a box with a 4 pixel rgb(235, 2, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 2, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 2, 71);  
box-shadow:4px 4px 4px 4px rgb(235, 2, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.4200, 18.1605, 7.5997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 2, 71) }
```

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

```
.background{ background-color: rgb(235, 2,  
71) }
```

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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