

Converting Colors

XYZ(34.2938, 17.6601, 2.4650)

Have a look what the booklet for
XYZ(34.2938, 17.6601, 2.4650)
contains.

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Color

**XYZ(34.4258, 17.7281,
2.4716)**

Conversions

Conversions Part 1

Format	Color
Hex	EB0018
RGB	235, 0, 24
RGB Percent	92%, 0%, 9%
CMY	0.0784, 0.9998, 0.9059
CMYK	0.00, 1.00, 0.90, 0.08
HSL	354°, 100%, 46%
HSV	354°, 100%, 92%
XYZ	34.4258, 17.7281, 2.4716
YIQ	73.0010, 132.3560, 57.2840

Conversions

Conversions Part 2

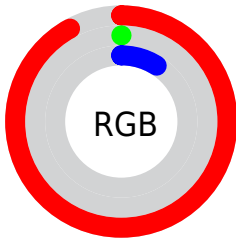
Format	Color
RYB	235, 0, 24
Decimal	15400984
CIELab	49.16, 75.53, 55.72
CIELCh	49, 93.861, 36.419
Yxy	17.7281, 0.6302, 0.3245
Android (android.graphics.Color)	4293591064 (0xFFEB0018)
YUV	73.0010, -24.1575, 142.0731
Hunter-Lab	42.1048, 72.2623, 25.9929

Details

The XYZ color **34.4258, 17.7281, 2.4716** 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 **41.4738, 64.1225, 71.8564**, and the grayscale version is **6.3633, 6.6947, 7.2905**.

A 20% lighter version of the original color is **46.2368, 29.3822, 9.3653**, and **16.3622, 8.4350, 0.7657** is the 20% darker color. If you saturate the color by 10%, you get **34.4250, 17.7277, 2.4687**, and if you desaturate by 10%, it is **35.0540, 18.4875, 4.2142**.

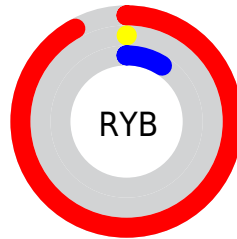
Distribution



Red (92%)

Green (0%)

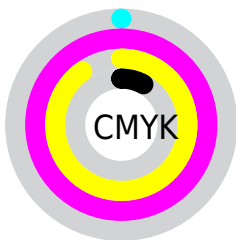
Blue (9%)



Red (92%)

Yellow (0%)

Blue (9%)

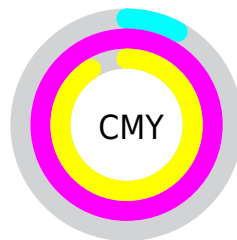


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (8%)



Cyan (8%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4258, 17.7281, 2.4716 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 34.4258, 17.7281, 2.4716 by changing the saturation by 10% instead.


 34.4258, 17.7281,
2.4716


 34.4258, 17.7281,
2.4716


313.5791,
239.3340, 129.3166


 23.3853, 10.7550,
0.8250


 65.9352, 39.5735,
10.2941


 15.0006, 5.9023,
0.0000


 87.1348, 55.2145,
17.3137

 8.9061, 2.7858,
0.0000


 112.4515, 74.5136,
26.9636

 4.7366, 1.0209,
0.0000

 142.2507, 97.8551,
39.6624

 2.1267, 0.0000,
0.0000

 176.8977,
125.6236, 55.8285


 0.7037, 0.0000,
0.0000


 216.7579,


 0.0000, 0.0000,


158.2032, 75.8806


0.0000


 262.1966,
195.9786, 100.2371

 34.4258, 17.7281,
2.4716


 34.4258, 17.7281,
2.4716


 34.4250, 17.7277,
2.4687

 35.0540, 18.4875,
4.2142

 36.2691, 20.0956,
7.1542

 38.2192, 22.8058,
11.4723

 40.9978, 26.7695,
17.3114

 44.6847, 32.1141,
24.7963

■ 49.3501, 38.9514,
34.0388

■ 55.0573, 47.3816,
45.1410

■ 61.8643, 57.4965,
58.1969

■ 69.8246, 69.3806,
73.2944

Harmonies

Analogous

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



39.8274, 17.7281, 14.3836



34.4258, 17.7281, 2.4716



24.5512, 17.7281, 0.0000

Triad

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



34.4258, 17.7281, 2.4716



5.6258, 17.7281, 5.6971



18.8100, 17.7281, 118.3316

Complementary

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



34.4258, 17.7281, 2.4716



41.4738, 64.1225, 71.8564

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.



10.9556, 17.7281, 106.2524



34.4258, 17.7281, 2.4716



5.0210, 17.7281, 25.2325

Square

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



34.4258, 17.7281, 2.4716



8.6794, 17.7281, 0.6458



6.5846, 17.7281, 64.6242



28.9998, 17.7281, 90.2668

Rectangle

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



34.4258, 17.7281, 2.4716



17.9272, 17.7281, 0.0000



6.5846, 17.7281, 64.6242



15.8169, 17.7281, 119.0325

Sweetspot

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



34.4262, 17.7292, 2.4718



66.1545, 56.8579, 54.1075



40.8930, 19.3498, 80.1762



13.5052, 11.2013, 10.3131



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.



34.4262, 17.7292, 2.4718



41.4263, 21.3345, 2.9111



37.9272, 24.9946, 2.8271



15.1278, 15.0790, 15.9585



19.1807, 9.8750, 1.4869



1.5272, 0.7838, 0.2275

Inverse Universe

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



34.4262, 17.7292, 2.4718



41.4263, 21.3345, 2.9111



25.1120, 26.2305, 82.3360



15.1278, 15.0790, 15.9585



19.1807, 9.8750, 1.4869



1.5272, 0.7838, 0.2275

Previews

White Background



This preview shows how the XYZ color 34.4258, 17.7281, 2.4716 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 34.4258, 17.7281, 2.4716 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 34.4258, 17.7281, 2.4716

Background



This preview shows how black text looks on a background with the XYZ color 34.4258, 17.7281, 2.4716.



This preview shows how white text looks on a background with the XYZ color 34.4258, 17.7281,

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

34.4258, 17.7281, 2.4716

Protanopia

16.5862, 18.2886, 5.1385

Deuteranopia

18.4828, 18.2943, 2.5570



Tritanopia

33.8912, 17.8975, 1.6683

Trichromacy



Original Color

34.4258, 17.7281, 2.4716

Protanomaly

19.2806, 13.7375, 3.3857

Deuteranomaly

21.4227, 14.4782, 1.9239

Tritanomaly

34.1380, 17.8262, 1.9000

Monochromacy



Original Color

34.4258, 17.7281, 2.4716

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

11.1823, 7.1354, 4.4023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4258, 17.7281, 2.4716 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, 0, 24)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 24)  
}
```

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, 0, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 24) }
```

Border

The CSS property to change the border of an element to XYZ 34.4258, 17.7281, 2.4716 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, 0, 24) }
```


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

```
.border{ border-color:rgb(235, 0, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 0, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 24);  
box-shadow:4px 4px 4px 4px rgb(235, 0, 24)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.4258, 17.7281, 2.4716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 24) }
```

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

```
.background{ background-color: rgb(235, 0,  
24) }
```

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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