

Converting Colors

XYZ(34.7615, 17.8430, 5.1136)

Have a look what the booklet for
XYZ(34.7615, 17.8430, 5.1136)
contains.

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Color

**XYZ(34.5975, 17.7588,
5.0943)**

Conversions

Conversions Part 1

Format	Color
Hex	EA0036
RGB	234, 0, 54
RGB Percent	92%, 0%, 21%
CMY	0.0824, 0.9998, 0.7882
CMYK	0.00, 1.00, 0.77, 0.08
HSL	346°, 100%, 46%
HSV	346°, 100%, 92%
XYZ	34.5975, 17.7588, 5.0943
YIQ	76.1220, 122.1300, 66.4020

Conversions

Conversions Part 2

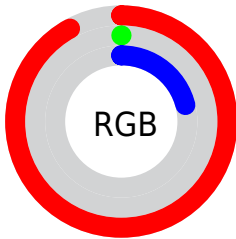
Format	Color
R_{YB}	234, 0, 54
Decimal	15335478
CIE Lab	49.20, 75.96, 40.35
CIE LCh	49, 86.011, 27.978
Yxy	17.7588, 0.6022, 0.3091
Android (android.graphics.Color)	4293525558 (0xFFEA0036)
YUV	76.1220, -10.9061, 138.4590
Hunter-Lab	42.1412, 72.7996, 22.3315

Details

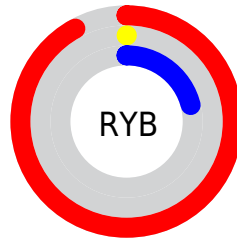
The XYZ color **34.5975, 17.7588, 5.0943** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **37.6676, 62.1432, 53.2216**, and the grayscale version is **6.9017, 7.2611, 7.9073**.

A 20% lighter version of the original color is **47.5033, 30.0283, 15.6043**, and **16.4285, 8.4616, 1.1152** is the 20% darker color. If you saturate the color by 10%, you get **34.5961, 17.7582, 5.0885**, and if you desaturate by 10%, it is **35.4169, 18.5915, 7.8535**.

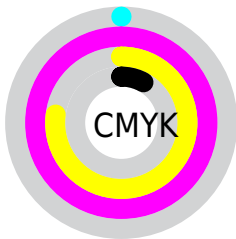
Distribution



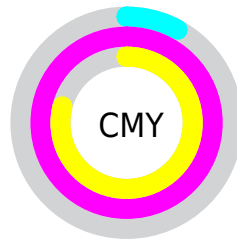
- Red (92%)
- Green (0%)
- Blue (21%)



- Red (92%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5975, 17.7588, 5.0943 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 34.5975, 17.7588, 5.0943 by changing the saturation by 10% instead.


 34.5975, 17.7588,
5.0943


 34.5975, 17.7588,
5.0943


314.3274,
239.5080, 159.7065


 23.5180, 10.7770,
2.2430


 66.1999, 39.6259,
16.4638


 15.0993, 5.9171,
0.6990


 87.4536, 55.2799,
25.8191

 8.9759, 2.7947,
0.0000


 112.8293, 74.5935,
38.1795

 4.7824, 1.0255,
0.0000

 142.6926, 97.9510,
53.9635

 2.1536, 0.0000,
0.0000

 177.4086,
125.7368, 73.5897

 0.7181, 0.0000,
0.0000

 217.3429,

 0.0000, 0.0000,

158.3353, 97.4765

0.0000

262.8607,
196.1309, 126.0427

■ 34.5975, 17.7588,
5.0943

■ 34.5975, 17.7588,
5.0943

■ 34.5961, 17.7582,
5.0885

■ 35.4169, 18.5915,
7.8535

■ 36.7882, 20.2525,
11.6451

■ 38.8454, 22.9883,
16.5810

■ 41.6711, 26.9443,
22.7494

■ 45.3355, 32.2433,
30.2289

■ 49.9009, 38.9929,
39.0916

■ 55.4234, 47.2898,
49.4040

■ 61.9543, 57.2224,
61.2280

■ 69.5413, 68.8721,
74.6223

Harmonies

Analogous

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



37.5866, 17.7588, 20.9451



34.5975, 17.7588, 5.0943



26.5022, 17.7588, 0.8325

Triad

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



34.5975, 17.7588, 5.0943



6.8544, 17.7588, 4.0588



16.3382, 17.7588, 106.2510

Complementary

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



34.5975, 17.7588, 5.0943



37.6676, 62.1432, 53.2216

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.



9.9232, 17.7588, 86.6541



34.5975, 17.7588, 5.0943



5.6456, 17.7588, 17.8121

Square

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



34.5975, 17.7588, 5.0943



10.6029, 17.7588, 0.6203



6.5589, 17.7588, 48.5252



25.2432, 17.7588, 90.9812

Rectangle

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



34.5975, 17.7588, 5.0943



20.3173, 17.7588, 0.0494



6.5589, 17.7588, 48.5252



13.8527, 17.7588, 103.3329

Sweetspot

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



34.5979, 17.7599, 5.0945



67.2397, 57.2920, 59.8218



33.5379, 15.5748, 79.0798



13.7541, 11.3009, 11.6236



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.



34.5979, 17.7599, 5.0945



42.0241, 21.5736, 6.0591



35.6786, 20.9862, 2.1720



15.2077, 15.1109, 16.3793



19.4811, 9.9951, 3.0691



1.5658, 0.7993, 0.4308

Inverse Universe

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



34.5979, 17.7599, 5.0945



42.0241, 21.5736, 6.0591



29.5314, 35.2998, 83.0983



15.2077, 15.1109, 16.3793



19.4811, 9.9951, 3.0691



1.5658, 0.7993, 0.4308

Previews

White Background



This preview shows how the XYZ color 34.5975, 17.7588, 5.0943 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 34.5975, 17.7588, 5.0943 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 34.5975, 17.7588, 5.0943

Background



This preview shows how black text looks on a background with the XYZ color 34.5975, 17.7588, 5.0943.



This preview shows how white text looks on a background with the XYZ color 34.5975, 17.7588,

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

34.5975, 17.7588, 5.0943

Protanopia

17.0219, 18.3920, 10.6355

Deuteranopia

18.5009, 18.2594, 4.5568



Tritanopia

33.9770, 17.9630, 2.0242

Trichromacy



Original Color

34.5975, 17.7588, 5.0943

Protanomaly

19.6905, 13.8523, 7.7668

Deuteranomaly

21.3814, 14.4079, 4.1367

Tritanomaly

33.9729, 17.7444, 2.6714

Monochromacy



Original Color

34.5975, 17.7588, 5.0943

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.7732, 7.5178, 6.2994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5975, 17.7588, 5.0943 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(234, 0, 54)` looks like.

```
.text, #text, p{  
    color:rgb(234, 0, 54)  
}
```

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(234, 0, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 0, 54) }
```

Border

The CSS property to change the border of an element to XYZ 34.5975, 17.7588, 5.0943 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(234, 0, 54) }
```


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

```
.border{ border-color:rgb(234, 0, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 0, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 0, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 0, 54);  
box-shadow:4px 4px 4px 4px rgb(234, 0, 54)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.5975, 17.7588, 5.0943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 0, 54) }
```

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

```
.background{ background-color: rgb(234, 0,  
54) }
```

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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