

Converting Colors

XYZ(34.5115, 17.7472, 3.6114)

Have a look what the booklet for
XYZ(34.5115, 17.7472, 3.6114)
contains.

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Color

**XYZ(34.6440, 17.8154,
3.6203)**

Conversions

Conversions Part 1

Format	Color
Hex	EB0028
RGB	235, 0, 40
RGB Percent	92%, 0%, 16%
CMY	0.0784, 0.9998, 0.8431
CMYK	0.00, 1.00, 0.83, 0.08
HSL	350°, 100%, 46%
HSV	350°, 100%, 92%
XYZ	34.6440, 17.8154, 3.6203
YIQ	74.8250, 127.2200, 62.2600

Conversions

Conversions Part 2

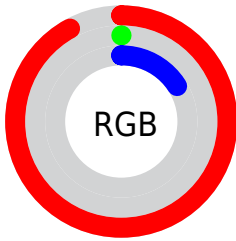
Format	Color
R_{YB}	235, 0, 40
Decimal	15401000
CIE Lab	49.27, 75.82, 48.23
CIE LCh	49, 89.858, 32.458
Yxy	17.8154, 0.6178, 0.3177
Android (android.graphics.Color)	4293591080 (0xFFEB0028)
YUV	74.8250, -17.1687, 140.4735
Hunter-Lab	42.2083, 72.6459, 24.4604

Details

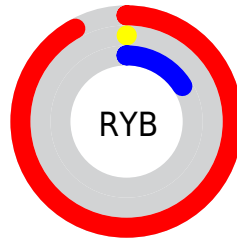
The XYZ color **34.6440, 17.8154, 3.6203** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **39.5657, 63.3594, 61.8082**, and the grayscale version is **6.6760, 7.0237, 7.6488**.

A 20% lighter version of the original color is **46.8747, 29.7768, 12.2938**, and **16.3622, 8.4350, 0.7657** is the 20% darker color. If you saturate the color by 10%, you get **34.6429, 17.8149, 3.6159**, and if you desaturate by 10%, it is **35.3809, 18.6183, 5.9357**.

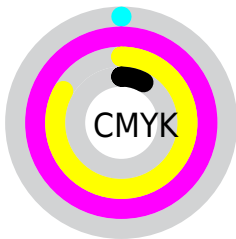
Distribution



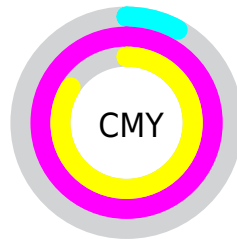
- Red (92%)
- Green (0%)
- Blue (16%)



- Red (92%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6440, 17.8154, 3.6203 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 34.6440, 17.8154, 3.6203 by changing the saturation by 10% instead.


 34.6440, 17.8154,
3.6203


 34.6440, 17.8154,
3.6203


314.5298,
239.8285, 143.9066


 23.5540, 10.8175,
1.4194


 66.2716, 39.7225,
13.1241


 15.1261, 5.9443,
0.1568


 87.5398, 55.4006,
21.2642

 8.9948, 2.8112,
0.0000


 112.9316, 74.7408,
32.2211

 4.7949, 1.0340,
0.0000

 142.8121, 98.1276,
46.4133

 2.1609, 0.0000,
0.0000

 177.5469,
125.9454, 64.2594

 0.7220, 0.0000,
0.0000

 217.5012,

 0.0000, 0.0000,

158.5785, 86.1780

0.0000

263.0404,
196.4114, 112.5875

■ 34.6440, 17.8154,
3.6203

■ 34.6440, 17.8154,
3.6203

■ 34.6429, 17.8149,
3.6159

■ 35.3809, 18.6183,
5.9357

■ 36.6913, 20.2645,
9.3767

■ 38.7150, 23.0042,
14.0830

■ 41.5399, 26.9864,
20.1653

■ 45.2404, 32.3365,
27.7219

■ 49.8826, 39.1645,
36.8419

■ 55.5258, 47.5692,
47.6072

■ 62.2247, 57.6409,
60.0940

■ 70.0298, 69.4629,
74.3736

Harmonies

Analogous

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



38.8654, 17.8154, 17.4726



34.6440, 17.8154, 3.6203



25.5978, 17.8154, 0.3689

Triad

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



34.6440, 17.8154, 3.6203



6.2365, 17.8154, 4.8686



17.6384, 17.8154, 112.7031

Complementary

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



34.6440, 17.8154, 3.6203



39.5657, 63.3594, 61.8082

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.



10.4842, 17.8154, 96.6513



34.6440, 17.8154, 3.6203



5.3455, 17.8154, 21.4598

Square

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



34.6440, 17.8154, 3.6203



9.6328, 17.8154, 0.6383



6.6009, 17.8154, 56.5484



27.2183, 17.8154, 90.9536

Rectangle

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



34.6440, 17.8154, 3.6203



19.1530, 17.8154, 0.0000



6.6009, 17.8154, 56.5484



14.8915, 17.8154, 111.5461

Sweetspot

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



34.6444, 17.8165, 3.6205



66.7198, 57.0840, 57.0842



36.7157, 17.1963, 79.9808



13.6344, 11.2530, 10.9937



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.



34.6444, 17.8165, 3.6205



41.6825, 21.4370, 4.2603



36.7404, 22.6210, 2.4316



15.1700, 15.0958, 16.1803



19.3122, 9.9276, 2.1795



1.5472, 0.7918, 0.3327

Inverse Universe

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



34.6444, 17.8165, 3.6205



41.6825, 21.4370, 4.2603



27.6714, 31.3492, 83.1893



15.1700, 15.0958, 16.1803



19.3122, 9.9276, 2.1795



1.5472, 0.7918, 0.3327

Previews

White Background



This preview shows how the XYZ color 34.6440, 17.8154, 3.6203 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 34.6440, 17.8154, 3.6203 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 34.6440, 17.8154, 3.6203

Background



This preview shows how black text looks on a background with the XYZ color 34.6440, 17.8154, 3.6203.



This preview shows how white text looks on a background with the XYZ color 34.6440, 17.8154,

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

34.6440, 17.8154, 3.6203

Protanopia

16.8823, 18.3891, 7.5101

Deuteranopia

18.5763, 18.3317, 3.0495



Tritanopia

34.1998, 18.0288, 1.6774

Trichromacy



Original Color

34.6440, 17.8154, 3.6203



Protanomaly

19.6362, 13.8797, 5.2585



Deuteranomaly

21.5489, 14.5287, 2.5883



Tritanomaly

34.1618, 17.8148, 2.0900

Monochromacy



Original Color

34.6440, 17.8154, 3.6203



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

11.5993, 7.4483, 5.3837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6440, 17.8154, 3.6203 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, 40)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 40) }
```

Border

The CSS property to change the border of an element to XYZ 34.6440, 17.8154, 3.6203 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, 40) }
```


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

```
.border{ border-color:rgb(235, 0, 40) }
```

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, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 40);  
box-shadow:4px 4px 4px 4px rgb(235, 0, 40)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.6440, 17.8154, 3.6203 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, 40) }
```

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

```
.background{ background-color: rgb(235, 0,  
40) }
```

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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