

Converting Colors

XYZ(33.2219, 15.2455, 2.2436)

Have a look what the booklet for
XYZ(33.2219, 15.2455, 2.2436)
contains.

XYZ(34.4588, 17.7413, 2.6451)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.4588, 17.7413,
2.6451)**

Conversions

Conversions Part 1

Format	Color
Hex	EB001B
RGB	235, 0, 27
RGB Percent	92%, 0%, 11%
CMY	0.0784, 0.9998, 0.8941
CMYK	0.00, 1.00, 0.89, 0.08
HSL	353°, 100%, 46%
HSV	353°, 100%, 92%
XYZ	34.4588, 17.7413, 2.6451
YIQ	73.3430, 131.3930, 58.2170

Conversions

Conversions Part 2

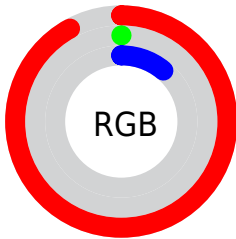
Format	Color
RYB	235, 0, 27
Decimal	15400987
CIELab	49.18, 75.57, 54.46
CIElCh	49, 93.150, 35.776
Yxy	17.7413, 0.6283, 0.3235
Android (android.graphics.Color)	4293591067 (0xFFEB001B)
YUV	73.3430, -22.8471, 141.7732
Hunter-Lab	42.1204, 72.3205, 25.7610

Details

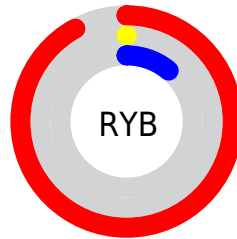
The XYZ color **34.4588, 17.7413, 2.6451** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **41.1011, 63.9735, 69.8936**, and the grayscale version is **6.4212, 6.7556, 7.3569**.

A 20% lighter version of the original color is **46.3371, 29.4223, 9.8934**, and **16.3622, 8.4350, 0.7657** is the 20% darker color. If you saturate the color by 10%, you get **34.4579, 17.7409, 2.6420**, and if you desaturate by 10%, it is **35.1078, 18.5090, 4.4975**.

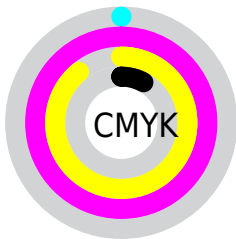
Distribution



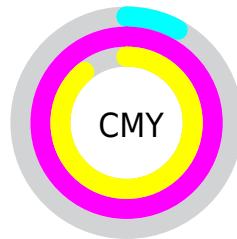
- Red (92%)
- Green (0%)
- Blue (11%)



- Red (92%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (89%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4588, 17.7413, 2.6451 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 34.4588, 17.7413, 2.6451 by changing the saturation by 10% instead.


 34.4588, 17.7413,
2.6451


 34.4588, 17.7413,
2.6451


313.7230,
239.4088, 131.7036


 23.4108, 10.7644,
0.9156


 65.9861, 39.5960,
10.7394


 15.0195, 5.9087,
0.0000


 87.1961, 55.2426,
17.9420

 8.9195, 2.7896,
0.0000

 112.5242, 74.5479,
27.8065

 4.7454, 1.0229,
0.0000

 142.3357, 97.8964,
40.7512

 2.1319, 0.0000,
0.0000

 176.9960,
125.6722, 57.1947


 0.7065, 0.0000,
0.0000


 216.8704,


 0.0000, 0.0000,


158.2600, 77.5556


0.0000


 262.3243,
196.0441, 102.2523


 34.4588, 17.7413,
2.6451


 34.4588, 17.7413,
2.6451


 34.4579, 17.7409,
2.6420

 35.1078, 18.5090,
4.4975

 36.3417, 20.1246,
7.5360

 38.3066, 22.8408,
11.9326

 41.0951, 26.8084,
17.8234

 44.7857, 32.1544,
25.3277

■ 49.4478, 38.9903,
34.5527

■ 55.1438, 47.4161,
45.5964

■ 61.9312, 57.5231,
58.5492

■ 69.8628, 69.3958,
73.4956

Harmonies

Analogous

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



39.6598, 17.7413, 14.8752



34.4588, 17.7413, 2.6451



24.7231, 17.7413, 0.0000

Triad

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



34.4588, 17.7413, 2.6451



5.7256, 17.7413, 5.5512



18.6074, 17.7413, 117.3545

Complementary

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



34.4588, 17.7413, 2.6451



41.1011, 63.9735, 69.8936

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.



10.8744, 17.7413, 104.5780



34.4588, 17.7413, 2.6451



5.0746, 17.7413, 24.5657

Square

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



34.4588, 17.7413, 2.6451



8.8349, 17.7413, 0.6447



6.5870, 17.7413, 63.2051



28.6914, 17.7413, 90.3707

Rectangle

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



34.4588, 17.7413, 2.6451



18.1285, 17.7413, 0.0000



6.5870, 17.7413, 63.2051



15.6570, 17.7413, 117.7323

Sweetspot

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



34.4592, 17.7424, 2.6453



66.2589, 56.8997, 54.6573



40.8931, 19.3499, 80.1763



13.5290, 11.2108, 10.4385



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.



34.4592, 17.7424, 2.6453



41.4648, 21.3499, 3.1136



37.9272, 24.9946, 2.8271



15.1357, 15.0821, 15.9999



19.2009, 9.8831, 1.5936



1.5309, 0.7853, 0.2472

Inverse Universe

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



34.4592, 17.7424, 2.6453



41.4648, 21.3499, 3.1136



25.1120, 26.2305, 82.3362



15.1357, 15.0821, 15.9999



19.2009, 9.8831, 1.5936



1.5309, 0.7853, 0.2472

Previews

White Background



This preview shows how the XYZ color 34.4588, 17.7413, 2.6451 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 34.4588, 17.7413, 2.6451 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 34.4588, 17.7413, 2.6451

Background



This preview shows how black text looks on a background with the XYZ color 34.4588, 17.7413, 2.6451.



This preview shows how white text looks on a background with the XYZ color 34.4588, 17.7413,

2.6451.

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

34.4588, 17.7413, 2.6451

Protanopia

16.6460, 18.3126, 5.4536

Deuteranopia

18.4828, 18.2943, 2.5570



Tritanopia

34.1998, 18.0288, 1.6774

Trichromacy



Original Color

34.4588, 17.7413, 2.6451

Protanomaly

19.3296, 13.7571, 3.6441

Deuteranomaly

21.4282, 14.4804, 1.9528

Tritanomaly

34.1304, 17.8022, 1.9245

Monochromacy



Original Color

34.4588, 17.7413, 2.6451

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

11.2065, 7.1450, 4.5299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4588, 17.7413, 2.6451 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, 27)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 27)  
}
```

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, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 27) }
```

Border

The CSS property to change the border of an element to XYZ 34.4588, 17.7413, 2.6451 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, 27) }
```


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

```
.border{ border-color:rgb(235, 0, 27) }
```

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, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 27);  
box-shadow:4px 4px 4px 4px rgb(235, 0, 27)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.4588, 17.7413, 2.6451 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, 27) }
```

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

```
.background{ background-color: rgb(235, 0,  
27) }
```

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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