

Converting Colors

XYZ(34.2104, 17.6267, 2.0256)

Have a look what the booklet for
XYZ(34.2104, 17.6267, 2.0256)
contains.

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Color

**XYZ(34.3402, 17.6939,
2.0208)**

Conversions

Conversions Part 1

Format	Color
Hex	EB000E
RGB	235, 0, 14
RGB Percent	92%, 0%, 5%
CMY	0.0784, 0.9998, 0.9451
CMYK	0.00, 1.00, 0.94, 0.08
HSL	356°, 100%, 46%
HSV	356°, 100%, 92%
XYZ	34.3402, 17.6939, 2.0208
YIQ	71.8610, 135.5660, 54.1740

Conversions

Conversions Part 2

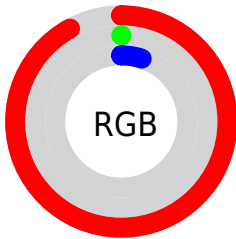
Format	Color
RYB	235, 0, 14
Decimal	15400974
CIELab	49.12, 75.41, 59.33
CIELCh	49, 95.954, 38.192
Yxy	17.6939, 0.6353, 0.3273
Android (android.graphics.Color)	4293591054 (0xFFEB000E)
YUV	71.8610, -28.5255, 143.0729
Hunter-Lab	42.0641, 72.1112, 26.5965

Details

The XYZ color **34.3402, 17.6939, 2.0208** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **42.7679, 64.6401, 78.6708**, and the grayscale version is **6.1726, 6.4941, 7.0720**.

A 20% lighter version of the original color is **46.0213, 29.2959, 8.2301**, and **16.1484, 8.3248, 0.7557** is the 20% darker color. If you saturate the color by 10%, you get **34.3395, 17.6936, 2.0188**, and if you desaturate by 10%, it is **34.8984, 18.4254, 3.3947**.

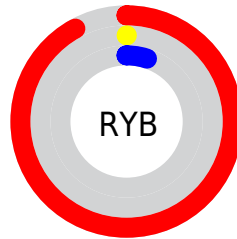
Distribution



Red (92%)

Green (0%)

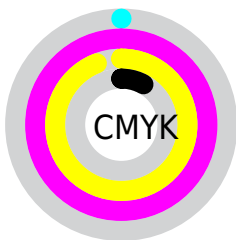
Blue (5%)



Red (92%)

Yellow (0%)

Blue (5%)

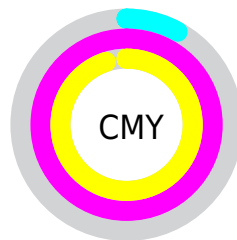


Cyan (0%)

Magenta (100%)

Yellow (94%)

Black (8%)



Cyan (8%)


Magenta (100%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3402, 17.6939, 2.0208 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 34.3402, 17.6939, 2.0208 by changing the saturation by 10% instead.


 34.3402, 17.6939,
2.0208


 34.3402, 17.6939,
2.0208


313.2056,
239.1400, 122.6989


 23.3192, 10.7304,
0.5680


 65.8031, 39.5150,
9.0976


 14.9514, 5.8859,
0.0000


 86.9758, 55.1415,
15.6105


 8.8714, 2.7758,
0.0000


 112.2630, 74.4245,
24.6644

 4.7138, 1.0158,
0.0000

 142.0302, 97.7483,
36.6780

 2.1134, 0.0000,
0.0000

 176.6427,
125.4973, 52.0697


 0.6965, 0.0000,
0.0000


 216.4659,


 0.0000, 0.0000,


158.0561, 71.2580


0.0000


 261.8651,
195.8088, 94.6616


 34.3402, 17.6939,
2.0208


 34.3402, 17.6939,
2.0208


 34.3395, 17.6936,
2.0188

 34.8984, 18.4254,
3.3947

 36.0487, 20.0076,
5.9932

 37.9458, 22.6967,
10.0320

 40.6881, 26.6460,
15.6794

 44.3591, 31.9843,
23.0802

■ 49.0323, 38.8248,
32.3632

■ 54.7737, 47.2689,
43.6452

■ 61.6438, 57.4091,
57.0332

■ 69.6984, 69.3311,
72.6270

Harmonies

Analogous

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



40.3154, 17.6939, 13.0499



34.3402, 17.6939, 2.0208



24.0727, 17.6939, 0.0000

Triad

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



34.3402, 17.6939, 2.0208



5.3495, 17.6939, 6.1253



19.3966, 17.6939, 121.1684

Complementary

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



34.3402, 17.6939, 2.0208



42.7679, 64.6401, 78.6708

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.



11.1897, 17.6939, 111.1321



34.3402, 17.6939, 2.0208



4.8713, 17.6939, 27.1954

Square

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



34.3402, 17.6939, 2.0208



8.2490, 17.6939, 0.6488



6.5783, 17.6939, 68.7843



29.8936, 17.6939, 89.9973

Rectangle

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



34.3402, 17.6939, 2.0208



17.3676, 17.6939, 0.0000



6.5783, 17.6939, 68.7843



16.2792, 17.6939, 122.8092

Sweetspot

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



34.3406, 17.6950, 2.0210



65.8114, 56.7207, 52.3006



44.3107, 21.1118, 80.3361



13.4272, 11.1701, 9.9024



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.



34.3406, 17.6950, 2.0210



41.3272, 21.2949, 2.3889



38.9993, 27.1389, 3.1846



15.1017, 15.0685, 15.8209



19.1267, 9.8534, 1.2026



1.5147, 0.7788, 0.1617

Inverse Universe

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



34.3406, 17.6950, 2.0210



41.3272, 21.2949, 2.3889



23.4100, 22.8264, 81.7686



15.1017, 15.0685, 15.8209



19.1267, 9.8534, 1.2026



1.5147, 0.7788, 0.1617

Previews

White Background



This preview shows how the XYZ color 34.3402, 17.6939, 2.0208 looks on a white background.

Color Contrast Check

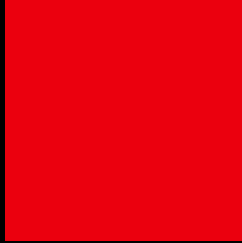
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.3402, 17.6939, 2.0208 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 34.3402, 17.6939, 2.0208

Background



This preview shows how black text looks on a background with the XYZ color 34.3402, 17.6939, 2.0208.



This preview shows how white text looks on a background with the XYZ color 34.3402, 17.6939,

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

34.3402, 17.6939, 2.0208

Protanopia

16.5881, 18.3076, 4.3285

Deuteranopia

18.2996, 18.1998, 2.5484



Tritanopia

33.8912, 17.8975, 1.6683

Trichromacy



Original Color

34.3402, 17.6939, 2.0208

Protanomaly

19.3716, 13.7988, 2.7410

Deuteranomaly

21.1671, 14.3490, 1.7976

Tritanomaly

34.1161, 17.8175, 1.7846

Monochromacy



Original Color

34.3402, 17.6939, 2.0208

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.9346, 7.0183, 3.9103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3402, 17.6939, 2.0208 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, 14)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 14)  
}
```

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, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 14) }
```

Border

The CSS property to change the border of an element to XYZ 34.3402, 17.6939, 2.0208 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, 14) }
```


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

```
.border{ border-color:rgb(235, 0, 14) }
```

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, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 14);  
box-shadow:4px 4px 4px 4px rgb(235, 0, 14)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.3402, 17.6939, 2.0208 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, 14) }
```

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

```
.background{ background-color: rgb(235, 0,  
14) }
```

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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