

Converting Colors

XYZ(34.4525, 17.8038, 1.6996)

Have a look what the booklet for
XYZ(34.4525, 17.8038, 1.6996)
contains.

XYZ(34.3099, 17.7339, 1.7008)	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(34.3099, 17.7339,
1.7008)**

Conversions

Conversions Part 1

Format	Color
Hex	EB0303
RGB	235, 3, 3
RGB Percent	92%, 1%, 1%
CMY	0.0784, 0.9880, 0.9882
CMYK	0.00, 0.99, 0.99, 0.08
HSL	0°, 97%, 47%
HSV	0°, 99%, 92%
XYZ	34.3099, 17.7339, 1.7008
YIQ	72.3680, 138.2720, 49.1840

Conversions

Conversions Part 2

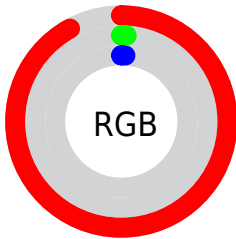
Format	Color
RYB	235, 3, 3
Decimal	15401731
CIELab	49.17, 75.10, 62.37
CIELCh	49, 97.621, 39.710
Yxy	17.7339, 0.6384, 0.3300
Android (android.graphics.Color)	4293591811 (0xFFEB0303)
YUV	72.3680, -34.1984, 142.6283
Hunter-Lab	42.1116, 71.7352, 27.0835

Details

The XYZ color **34.3099, 17.7339, 1.7008** 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 **44.7231, 65.3980, 88.8623**, and the grayscale version is **6.2696, 6.5961, 7.1831**.

A 20% lighter version of the original color is **45.9181, 29.3942, 7.2565**, and **16.1484, 8.3248, 0.7557** is the 20% darker color. If you saturate the color by 10%, you get **34.2613, 17.6633, 1.6036**, and if you desaturate by 10%, it is **34.8345, 18.5025, 2.7423**.

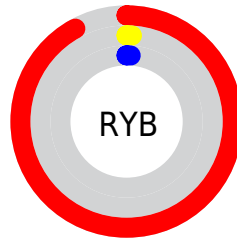
Distribution



Red (92%)

Green (1%)

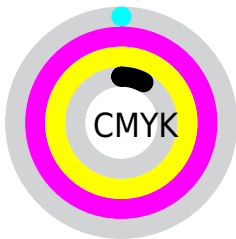
Blue (1%)



Red (92%)

Yellow (1%)

Blue (1%)

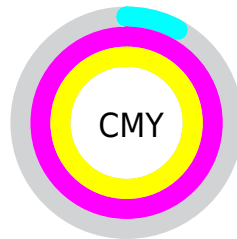


Cyan (0%)

Magenta (99%)

Yellow (99%)

Black (8%)



Cyan (8%)


Magenta (99%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3099, 17.7339, 1.7008 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 34.3099, 17.7339, 1.7008 by changing the saturation by 10% instead.


 34.3099, 17.7339,
1.7008


 34.3099, 17.7339,
1.7008


 313.0733,
239.3669, 117.5428


 23.2958, 10.7591,
0.3613


 65.7564, 39.5834,
8.2054


 14.9340, 5.9051,
0.0000


 86.9195, 55.2268,
14.3245

 8.8591, 2.7875,
0.0000


 112.1963, 74.5287,
22.9129

 4.7057, 1.0218,
0.0000

 141.9522, 97.8732,
34.3891

 2.1086, 0.0000,
0.0000

 176.5524,
125.6450, 49.1717


 0.6939, 0.0000,
0.0000


 216.3625,


 0.0000, 0.0000,


158.2282, 67.6791


0.0000


 261.7477,
196.0074, 90.3300


 34.3099, 17.7339,
1.7008


 34.3099, 17.7339,
1.7008

 34.2613, 17.6633,
1.6036

 34.8345, 18.5025,
2.7423

 35.9791, 20.1778,
5.0161

 37.8983, 22.9866,
8.8301

 40.6964, 27.0814,
14.3917

 44.4617, 32.5913,
21.8763

■ 49.2717, 39.6296,
31.4381

■ 55.1959, 48.2983,
43.2155

■ 62.2980, 58.6904,
57.3353

■ 70.6369, 70.8921,
73.9143

Harmonies

Analogous

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



40.7867, 17.7339, 12.0041



34.3099, 17.7339, 1.7008



23.7131, 17.7339, 0.0000

Triad

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



34.3099, 17.7339, 1.7008



5.1620, 17.7339, 6.5871



19.9964, 17.7339, 123.5189

Complementary

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



34.3099, 17.7339, 1.7008



44.7231, 65.3980, 88.8623

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.



11.4667, 17.7339, 115.4257



34.3099, 17.7339, 1.7008



4.7903, 17.7339, 29.1018

Square

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



34.3099, 17.7339, 1.7008



7.9367, 17.7339, 0.6768



6.6291, 17.7339, 72.6123



30.7598, 17.7339, 89.6646

Rectangle

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



34.3099, 17.7339, 1.7008



16.9447, 17.7339, 0.0000



6.6291, 17.7339, 72.6123



16.7667, 17.7339, 126.0178

Sweetspot

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



34.3103, 17.7350, 1.7010



65.3503, 56.5428, 49.8527



49.2884, 23.7252, 80.5781



13.3230, 11.1299, 9.3492



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.



34.3103, 17.7350, 1.7010



41.2407, 21.2615, 1.9302



40.8738, 30.8622, 3.8889



15.0659, 15.0547, 15.6305



19.0683, 9.8309, 0.8925



1.4974, 0.7722, 0.0701

Inverse Universe

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



44.7231, 65.3980, 88.8623



53.7883, 78.6966, 106.9628



21.6296, 19.2111, 81.1645



15.5174, 17.1212, 19.4091



24.8698, 36.3867, 49.4555



1.9530, 2.8575, 3.8835

Previews

White Background



This preview shows how the XYZ color 34.3099, 17.7339, 1.7008 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



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 34.3099, 17.7339, 1.7008

Background



This preview shows how black text looks on a background with the XYZ color 34.3099, 17.7339, 1.7008.



This preview shows how white text looks on a background with the XYZ color 34.3099, 17.7339,

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

34.3099, 17.7339, 1.7008

Protanopia

16.5170, 18.2791, 3.9540

Deuteranopia

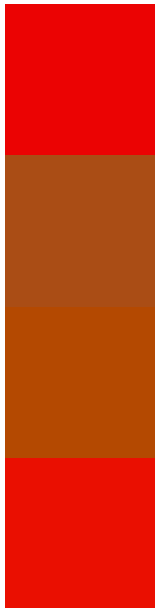
18.2996, 18.1998, 2.5484



Tritanopia

33.8912, 17.8975, 1.6683

Trichromacy



Original Color

34.3099, 17.7339, 1.7008

Protanomaly

19.3668, 13.9079, 2.3732

Deuteranomaly

21.2104, 14.4706, 1.7039

Tritanomaly

34.1080, 17.8363, 1.6738

Monochromacy



Original Color

34.3099, 17.7339, 1.7008

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.8897, 7.0636, 3.4788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3099, 17.7339, 1.7008 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, 3, 3)` looks like.

```
.text, #text, p{  
    color:rgb(235, 3, 3)  
}
```

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, 3, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 3, 3) }
```

Border

The CSS property to change the border of an element to XYZ 34.3099, 17.7339, 1.7008 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, 3, 3) }
```


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

```
.border{ border-color:rgb(235, 3, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 3, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 3, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(235, 3, 3); box-shadow:4px  
4px 4px 4px rgb(235, 3, 3) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3099, 17.7339, 1.7008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 3, 3) }
```

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

```
.background{ background-color: rgb(235, 3,  
3) }
```

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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