

Converting Colors

XYZ(34.7107, 17.8803, 2.2435)

Have a look what the booklet for
XYZ(34.7107, 17.8803, 2.2435)
contains.

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Color

**XYZ(34.7096, 17.8799,
2.2379)**

Conversions

Conversions Part 1

Format	Color
Hex	EC0013
RGB	236, 0, 19
RGB Percent	93%, 0%, 7%
CMY	0.0745, 0.9998, 0.9255
CMYK	0.00, 1.00, 0.92, 0.07
HSL	355°, 100%, 46%
HSV	355°, 100%, 93%
XYZ	34.7096, 17.8799, 2.2379
YIQ	72.7300, 134.5570, 55.9410

Conversions

Conversions Part 2

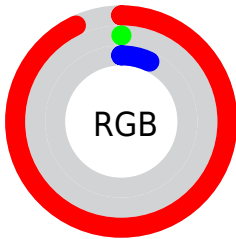
Format	Color
RYB	236, 0, 19
Decimal	15466515
CIELab	49.35, 75.71, 57.89
CIElCh	49, 95.303, 37.403
Yxy	17.8799, 0.6331, 0.3261
Android (android.graphics.Color)	4293656595 (0xFFEC0013)
YUV	72.7300, -26.4889, 143.1878
Hunter-Lab	42.2846, 72.5247, 26.4613

Details

The XYZ color **34.7096, 17.8799, 2.2379** 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 **42.5280, 65.0036, 75.9911**, and the grayscale version is **6.3199, 6.6490, 7.2408**.

A 20% lighter version of the original color is **46.1105, 29.3316, 8.7001**, and **16.5776, 8.5460, 0.7758** is the 20% darker color. If you saturate the color by 10%, you get **34.7088, 17.8795, 2.2354**, and if you desaturate by 10%, it is **35.3066, 18.6301, 3.8062**.

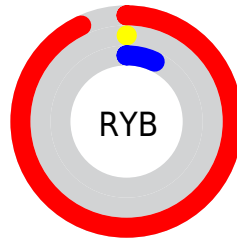
Distribution



Red (93%)

Green (0%)

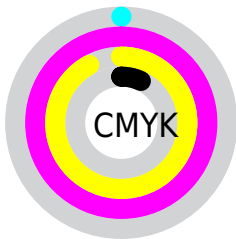
Blue (7%)



Red (93%)

Yellow (0%)

Blue (7%)

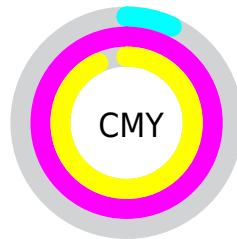


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (7%)



Cyan (7%)


Magenta (100%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7096, 17.8799, 2.2379 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 34.7096, 17.8799, 2.2379 by changing the saturation by 10% instead.


 34.7096, 17.8799,
2.2379


 34.7096, 17.8799,
2.2379


314.8152,
240.1932, 125.9679


 23.6047, 10.8638,
0.6961


 66.3726, 39.8326,
9.6816


 15.1638, 5.9753,
0.0000


 87.6615, 55.5379,
16.4446

 9.0215, 2.8301,
0.0000


 113.0758, 74.9085,
25.7932

 4.8124, 1.0437,
0.0000

 142.9808, 98.3287,
38.1458

 2.1713, 0.0000,
0.0000

 177.7418,
126.1828, 53.9211


 0.7275, 0.0000,
0.0000


 217.7244,


 0.0000, 0.0000,


158.8554, 73.5375


0.0000


 263.2937,
196.7307, 97.4136


 34.7096, 17.8799,
2.2379


 34.7096, 17.8799,
2.2379


 34.7088, 17.8795,
2.2354

 35.3066, 18.6301,
3.8062

 36.4996, 20.2390,
6.5998

 38.4410, 22.9634,
10.8180

 41.2279, 26.9572,
16.6178

 44.9426, 32.3500,
24.1352

■ 49.6578, 39.2553,
33.4915

■ 55.4388, 47.7750,
44.7973

■ 62.3454, 58.0023,
58.1541

■ 70.4328, 70.0231,
73.6565

Harmonies

Analogous

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



40.4808, 17.8799, 13.7716



34.7096, 17.8799, 2.2379



24.5213, 17.8799, 0.0000

Triad

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



34.7096, 17.8799, 2.2379



5.5257, 17.8799, 5.9871



19.3151, 17.8799, 121.0371

Complementary

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



34.7096, 17.8799, 2.2379



42.5280, 65.0036, 75.9911

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.



11.1906, 17.8799, 109.9624



34.7096, 17.8799, 2.2379



4.9861, 17.8799, 26.5521

Square

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



34.7096, 17.8799, 2.2379



8.5226, 17.8799, 0.6558



6.6446, 17.8799, 67.5317



29.7725, 17.8799, 90.9852

Rectangle

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



34.7096, 17.8799, 2.2379



17.7880, 17.8799, 0.0000



6.6446, 17.8799, 67.5317



16.2246, 17.8799, 122.2618

Sweetspot

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



34.7100, 17.8811, 2.2381



65.9792, 56.7878, 53.1843



43.5596, 20.7078, 81.0573



13.4653, 11.1854, 10.1030



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.



34.7100, 17.8811, 2.2381



41.3705, 21.3122, 2.6172



38.9943, 26.6374, 3.0881



15.1145, 15.0737, 15.8885



19.1507, 9.8630, 1.3291



1.5208, 0.7813, 0.1941

Inverse Universe

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



34.7100, 17.8811, 2.2381



41.3705, 21.3122, 2.6172



24.1852, 24.1451, 82.7419



15.1145, 15.0737, 15.8885



19.1507, 9.8630, 1.3291



1.5208, 0.7813, 0.1941

Previews

White Background



This preview shows how the XYZ color 34.7096, 17.8799, 2.2379 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 34.7096, 17.8799, 2.2379 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 34.7096, 17.8799, 2.2379

Background



This preview shows how black text looks on a background with the XYZ color 34.7096, 17.8799, 2.2379.



This preview shows how white text looks on a background with the XYZ color 34.7096, 17.8799,

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

34.7096, 17.8799, 2.2379

Protanopia

16.6527, 18.3334, 4.6685

Deuteranopia

18.4828, 18.2943, 2.5570



Tritanopia

34.2186, 18.0662, 1.6836

Trichromacy



Original Color

34.7096, 17.8799, 2.2379

Protanomaly

19.4227, 13.8192, 3.0102

Deuteranomaly

21.4118, 14.4738, 1.8662

Tritanomaly

34.4563, 17.9916, 1.8577

Monochromacy



Original Color

34.7096, 17.8799, 2.2379

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

11.1353, 7.1166, 4.1549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7096, 17.8799, 2.2379 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(236, 0, 19)` looks like.

```
.text, #text, p{  
  color:rgb(236, 0, 19)  
}
```

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(236, 0, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 0, 19) }
```

Border

The CSS property to change the border of an element to XYZ 34.7096, 17.8799, 2.2379 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(236, 0, 19) }
```


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

```
.border{ border-color:rgb(236, 0, 19) }
```

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

Here you see how a box with a 4 pixel rgb(236, 0, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 0, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 0, 19);  
box-shadow:4px 4px 4px 4px rgb(236, 0, 19)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.7096, 17.8799, 2.2379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 0, 19) }
```

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

```
.background{ background-color: rgb(236, 0,  
19) }
```

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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