

Converting Colors

XYZ(34.1976, 17.6216, 1.9586)

Have a look what the booklet for
XYZ(34.1976, 17.6216, 1.9586)
contains.

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Color

**XYZ(34.3273, 17.6887,
1.9528)**

Conversions

Conversions Part 1

Format	Color
Hex	EB000C
RGB	235, 0, 12
RGB Percent	92%, 0%, 5%
CMY	0.0784, 0.9998, 0.9529
CMYK	0.00, 1.00, 0.95, 0.08
HSL	357°, 100%, 46%
HSV	357°, 100%, 92%
XYZ	34.3273, 17.6887, 1.9528
YIQ	71.6330, 136.2080, 53.5520

Conversions

Conversions Part 2

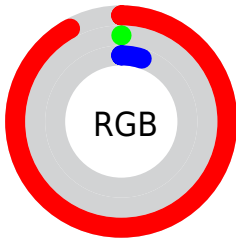
Format	Color
RYB	235, 0, 12
Decimal	15400972
CIELab	49.12, 75.40, 59.92
CIELCh	49, 96.307, 38.474
Yxy	17.6887, 0.6361, 0.3278
Android (android.graphics.Color)	4293591052 (0xFFEB000C)
YUV	71.6330, -29.3991, 143.2729
Hunter-Lab	42.0579, 72.0887, 26.6877

Details

The XYZ color **34.3273, 17.6887, 1.9528** 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 **43.0359, 64.7474, 80.0824**, and the grayscale version is **6.1346, 6.4540, 7.0284**.

A 20% lighter version of the original color is **45.9643, 29.2732, 7.9303**, and **16.1484, 8.3248, 0.7557** is the 20% darker color. If you saturate the color by 10%, you get **34.3267, 17.6884, 1.9510**, and if you desaturate by 10%, it is **34.8714, 18.4145, 3.2530**.

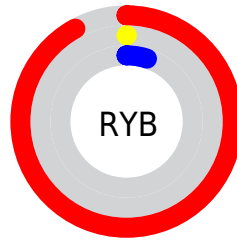
Distribution



Red (92%)

Green (0%)

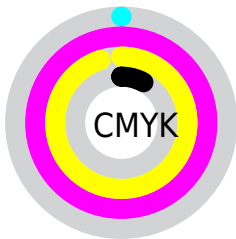
Blue (5%)



Red (92%)

Yellow (0%)

Blue (5%)

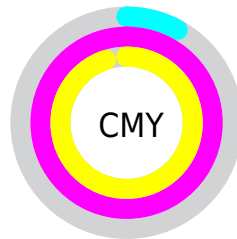


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (8%)



Cyan (8%)


Magenta (100%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3273, 17.6887, 1.9528 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 34.3273, 17.6887, 1.9528 by changing the saturation by 10% instead.


 34.3273, 17.6887,
1.9528

 34.3273, 17.6887,
1.9528


313.1493,
239.1105, 121.6395


 23.3092, 10.7267,
0.5260


 65.7832, 39.5062,
8.9114


 14.9440, 5.8834,
0.0000


 86.9518, 55.1304,
15.3433


 8.8661, 2.7743,
0.0000


 112.2346, 74.4109,
24.3016

 4.7104, 1.0151,
0.0000

 141.9970, 97.7320,
36.2050

 2.1113, 0.0000,
0.0000

 176.6043,
125.4781, 51.4720


 0.6954, 0.0000,
0.0000


 216.4219,


 0.0000, 0.0000,


158.0337, 70.5210


0.0000


 261.8151,
195.7830, 93.7707


 34.3273, 17.6887,
1.9528


 34.3273, 17.6887,
1.9528

 34.3267, 17.6884,
1.9510

 34.8714, 18.4145,
3.2530

 36.0084, 19.9913,
5.7810

 37.8942, 22.6758,
9.7608

 40.6284, 26.6218,
15.3662

 44.2955, 31.9584,
22.7464

■ 48.9695, 38.7991,
32.0340

■ 54.7170, 47.2455,
43.3488

■ 61.5992, 57.3904,
56.8008

■ 69.6723, 69.3197,
72.4921

Harmonies

Analogous

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



40.3967, 17.6887, 12.8405



34.3273, 17.6887, 1.9528



23.9958, 17.6887, 0.0000

Triad

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



34.3273, 17.6887, 1.9528



5.3052, 17.6887, 6.1972



19.4940, 17.6887, 121.6409

Complementary

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



34.3273, 17.6887, 1.9528



43.0359, 64.7474, 80.0824

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.



11.2284, 17.6887, 111.9473



34.3273, 17.6887, 1.9528



4.8472, 17.6887, 27.5260

Square

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



34.3273, 17.6887, 1.9528



8.1802, 17.6887, 0.6492



6.5773, 17.6887, 69.4825



30.0422, 17.6887, 89.9569

Rectangle

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



34.3273, 17.6887, 1.9528



17.2777, 17.6887, 0.0000



6.5773, 17.6887, 69.4825



16.3559, 17.6887, 123.4385

Sweetspot

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



34.3277, 17.6898, 1.9530



65.7437, 56.6936, 51.9445



44.3107, 21.1117, 80.3362



13.4119, 11.1640, 9.8217



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.



34.3277, 17.6898, 1.9530



41.3124, 21.2890, 2.3112



38.9992, 27.1386, 3.1845



15.0965, 15.0665, 15.7935



19.1182, 9.8500, 1.1578



1.5122, 0.7778, 0.1486

Inverse Universe

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



34.3277, 17.6898, 1.9530



41.3124, 21.2890, 2.3112



23.4098, 22.8261, 81.7687



15.0965, 15.0665, 15.7935



19.1182, 9.8500, 1.1578



1.5122, 0.7778, 0.1486

Previews

White Background



This preview shows how the XYZ color 34.3273, 17.6887, 1.9528 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 34.3273, 17.6887, 1.9528 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 34.3273, 17.6887, 1.9528

Background



This preview shows how black text looks on a background with the XYZ color 34.3273, 17.6887, 1.9528.



This preview shows how white text looks on a background with the XYZ color 34.3273, 17.6887,

1.9528.

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

34.3273, 17.6887, 1.9528

Protanopia

16.5584, 18.2957, 4.1721

Deuteranopia

18.2996, 18.1998, 2.5484



Tritanopia

33.8912, 17.8975, 1.6683

Trichromacy



Original Color

34.3273, 17.6887, 1.9528

Protanomaly

19.3485, 13.7895, 2.6191

Deuteranomaly

21.1617, 14.3468, 1.7687

Tritanomaly

34.1106, 17.8153, 1.7557

Monochromacy



Original Color

34.3273, 17.6887, 1.9528

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.9128, 7.0096, 3.7954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3273, 17.6887, 1.9528 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, 12)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 12)  
}
```

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, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 12) }
```

Border

The CSS property to change the border of an element to XYZ 34.3273, 17.6887, 1.9528 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, 12) }
```


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

```
.border{ border-color:rgb(235, 0, 12) }
```

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, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 12);  
box-shadow:4px 4px 4px 4px rgb(235, 0, 12)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.3273, 17.6887, 1.9528 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, 12) }
```

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

```
.background{ background-color: rgb(235, 0,  
12) }
```

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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