

Converting Colors

XYZ(34.1292, 17.5942, 1.5982)

Have a look what the booklet for
XYZ(34.1292, 17.5942, 1.5982)
contains.

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Color

**XYZ(34.2609, 17.6622,
1.6034)**

Conversions

Conversions Part 1

Format	Color
Hex	EB0000
RGB	235, 0, 0
RGB Percent	92%, 0%, 0%
CMY	0.0784, 0.9998, 1.0000
CMYK	0.00, 1.00, 1.00, 0.08
HSL	0°, 100%, 46%
HSV	0°, 100%, 92%
XYZ	34.2609, 17.6622, 1.6034
YIQ	70.2650, 140.0600, 49.8200

Conversions

Conversions Part 2

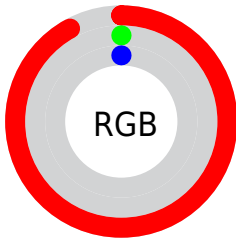
Format	Color
RYB	235, 0, 0
Decimal	15400960
CIELab	49.08, 75.31, 63.19
CIElCh	49, 98.308, 40.000
Yxy	17.6622, 0.6401, 0.3300
Android (android.graphics.Color)	4293591040 (0xFFEB0000)
YUV	70.2650, -34.6406, 144.4726
Hunter-Lab	42.0264, 71.9711, 27.1565

Details

The XYZ color **34.2609, 17.6622, 1.6034** 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 **44.6856, 65.3788, 88.8606**, and the grayscale version is **5.9111, 6.2190, 6.7724**.

A 20% lighter version of the original color is **45.7810, 29.1998, 6.9646**, and **16.1484, 8.3248, 0.7557** is the 20% darker color. If you saturate the color by 10%, you get **34.2612, 17.6633, 1.6036**, and if you desaturate by 10%, it is **34.7379, 18.3610, 2.5503**.

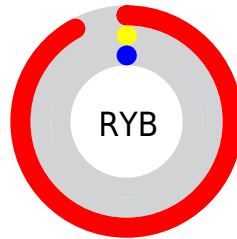
Distribution



Red (92%)

Green (0%)

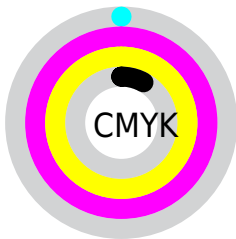
Blue (0%)



Red (92%)

Yellow (0%)

Blue (0%)

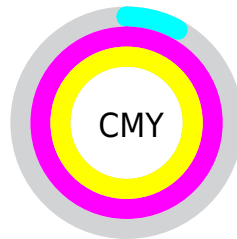


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2609, 17.6622, 1.6034 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 34.2609, 17.6622, 1.6034 by changing the saturation by 10% instead.


 34.2609, 17.6622,
1.6034


 34.2609, 17.6622,
1.6034


 312.8593,
238.9601, 115.8781


 23.2579, 10.7077,
0.2932


 65.6808, 39.4609,
7.9251


 14.9058, 5.8707,
0.0000


 86.8284, 55.0739,
13.9173

 8.8392, 2.7666,
0.0000


 112.0883, 74.3419,
22.3552

 4.6927, 1.0111,
0.0000

 141.8258, 97.6492,
33.6572

 2.1010, 0.0000,
0.0000

 176.4064,
125.3803, 48.2420


 0.6898, 0.0000,
0.0000


 216.1952,


 0.0000, 0.0000,


157.9195, 66.5280


0.0000


 261.5577,
195.6513, 88.9339


 34.2609, 17.6622,
1.6034


 34.2609, 17.6622,
1.6034


 34.2612, 17.6633,
1.6036

 34.7379, 18.3610,
2.5503

 35.7922, 19.9043,
4.6449

 37.6063, 22.5592,
8.2499

 40.2871, 26.4823,
13.5781

 43.9244, 31.8049,
20.8083

■ 48.5969, 38.6423,
30.0969

■ 54.3752, 47.0975,
41.5842

■ 61.3236, 57.2647,
55.3982

■ 69.5015, 69.2308,
71.6571

Harmonies

Analogous

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



40.8559, 17.6622, 11.7216



34.2609, 17.6622, 1.6034



23.5758, 17.6622, 0.0000

Triad

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



34.2609, 17.6622, 1.6034



5.0649, 17.6622, 6.6066



20.0424, 17.6622, 124.3033

Complementary

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



34.2609, 17.6622, 1.6034



44.6856, 65.3788, 88.8606

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.



11.4459, 17.6622, 116.5579



34.2609, 17.6622, 1.6034



4.7151, 17.6622, 29.4112

Square

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



34.2609, 17.6622, 1.6034



7.8066, 17.6622, 0.6515



6.5724, 17.6622, 73.4507



30.8789, 17.6622, 89.7477

Rectangle

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



34.2609, 17.6622, 1.6034



16.7873, 17.6622, 0.0000



6.5724, 17.6622, 73.4507



16.7875, 17.6622, 126.9870

Sweetspot

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



34.2613, 17.6633, 1.6036



65.3503, 56.5426, 49.8527



49.2558, 23.6601, 80.5672



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.



34.2613, 17.6633, 1.6036



41.2407, 21.2615, 1.9302



40.6803, 30.5014, 3.7433



15.0658, 15.0547, 15.6305



19.0683, 9.8308, 0.8925



1.4974, 0.7722, 0.0701

Inverse Universe

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



44.6856, 65.3788, 88.8606



53.7886, 78.6973, 106.9629



21.4150, 18.8375, 81.1037



15.5174, 17.1212, 19.4091



24.8700, 36.3870, 49.4556



1.9530, 2.8575, 3.8835

Previews

White Background



This preview shows how the XYZ color 34.2609, 17.6622, 1.6034 looks on a white background.

Color Contrast Check

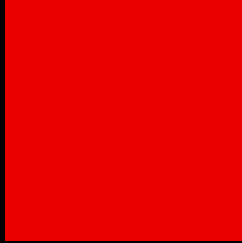
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.2609, 17.6622, 1.6034 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 34.2609, 17.6622, 1.6034

Background



This preview shows how black text looks on a background with the XYZ color 34.2609, 17.6622, 1.6034.



This preview shows how white text looks on a background with the XYZ color 34.2609, 17.6622,

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

34.2609, 17.6622, 1.6034

Protanopia

16.5040, 18.2739, 3.8857

Deuteranopia

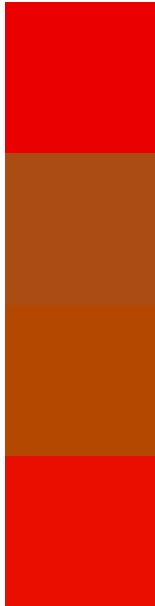
18.2996, 18.1998, 2.5484



Tritanopia

33.8912, 17.8975, 1.6683

Trichromacy



Original Color

34.2609, 17.6622, 1.6034

Protanomaly

19.2795, 13.7619, 2.2563

Deuteranomaly

21.1398, 14.3380, 1.6533

Tritanomaly

34.0887, 17.8065, 1.6403

Monochromacy



Original Color

34.2609, 17.6622, 1.6034

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

10.6180, 6.8121, 3.2379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2609, 17.6622, 1.6034 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, 0)` looks like.

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

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, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 34.2609, 17.6622, 1.6034 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, 0) }
```


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

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

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, 0) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 34.2609, 17.6622, 1.6034 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, 0) }
```

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

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

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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