

Converting Colors

XYZ(34.9968, 18.0390, 1.7505)

Have a look what the booklet for
XYZ(34.9968, 18.0390, 1.7505)
contains.

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Color

**XYZ(34.9470, 18.0133,
1.7499)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0004
RGB	237, 0, 4
RGB Percent	93%, 0%, 2%
CMY	0.0706, 0.9998, 0.9843
CMYK	0.00, 1.00, 0.98, 0.07
HSL	359°, 100%, 46%
HSV	359°, 100%, 93%
XYZ	34.9470, 18.0133, 1.7499
YIQ	71.3190, 139.9680, 51.4880

Conversions

Conversions Part 2

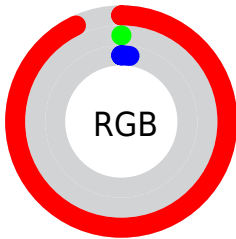
Format	Color
RYB	237, 0, 4
Decimal	15532036
CIELab	49.51, 75.82, 62.48
CIELCh	50, 98.248, 39.490
Yxy	18.0133, 0.6388, 0.3292
Android (android.graphics.Color)	4293722116 (0xFFED0004)
YUV	71.3190, -33.1883, 145.3022
Hunter-Lab	42.4421, 72.7041, 27.2649

Details

The XYZ color **34.9470, 18.0133, 1.7499** 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 **45.0008, 66.4548, 87.5887**, and the grayscale version is **6.0868, 6.4038, 6.9738**.

A 20% lighter version of the original color is **45.9438, 29.4045, 7.3918**, and **16.5776, 8.5460, 0.7758** is the 20% darker color. If you saturate the color by 10%, you get **34.9464, 18.0130, 1.7482**, and if you desaturate by 10%, it is **35.4479, 18.7284, 2.8023**.

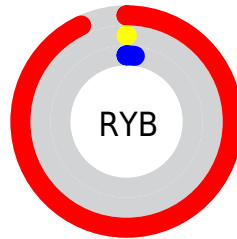
Distribution



Red (93%)

Green (0%)

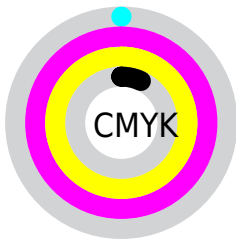
Blue (2%)



Red (93%)

Yellow (0%)

Blue (2%)

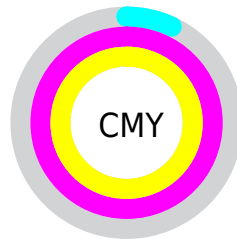


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (7%)



Cyan (7%)


Magenta (100%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9470, 18.0133, 1.7499 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 34.9470, 18.0133, 1.7499 by changing the saturation by 10% instead.

 34.9470, 18.0133,
1.7499


 34.9470, 18.0133,
1.7499


 315.8464,
240.9460, 118.3638


 23.7884, 10.9595,
0.3946


 66.7382, 40.0600,
8.3450


 15.3006, 6.0396,
0.0000


 88.1015, 55.8217,
14.5268

 9.1183, 2.8692,
0.0000


 113.5971, 75.2549,
23.1894

 4.8762, 1.0638,
0.0000

 143.5903, 98.7438,
34.7513

 2.2088, 0.0000,
0.0000

 178.4465,
126.6730, 49.6312


 0.7474, 0.0000,
0.0000


 218.5310,


 0.0000, 0.0000,


159.4269, 68.2475


0.0000


 264.2092,
197.3897, 91.0189


 34.9470, 18.0133,
1.7499


 34.9470, 18.0133,
1.7499

 34.9464, 18.0130,
1.7482

 35.4479, 18.7284,
2.8023

 36.5488, 20.3100,
5.0814

 38.4215, 23.0245,
8.8834

 41.1725, 27.0308,
14.4117

 44.8918, 32.4624,
21.8383

■ 49.6580, 39.4363,
31.3145

■ 55.5418, 48.0573,
42.9764

■ 62.6078, 58.4212,
56.9484

■ 70.9155, 70.6163,
73.3455

Harmonies

Analogous

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



41.4878, 18.0133, 12.3272



34.9470, 18.0133, 1.7499



24.1767, 18.0133, 0.0000

Triad

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



34.9470, 18.0133, 1.7499



5.2451, 18.0133, 6.5913



20.2399, 18.0133, 125.7852

Complementary

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



34.9470, 18.0133, 1.7499



45.0008, 66.4548, 87.5887

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.



11.5921, 18.0133, 117.2075



34.9470, 18.0133, 1.7499



4.8518, 18.0133, 29.3202

Square

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



34.9470, 18.0133, 1.7499



8.0854, 18.0133, 0.6673



6.7014, 18.0133, 73.4854



31.1860, 18.0133, 91.5568

Rectangle

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



34.9470, 18.0133, 1.7499



17.2806, 18.0133, 0.0000



6.7014, 18.0133, 73.4854



16.9626, 18.0133, 128.2116

Sweetspot

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



34.9474, 18.0145, 1.7501



65.4752, 56.5862, 50.5301



48.9073, 23.4478, 82.0684



13.3511, 11.1397, 9.5019



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.



34.9474, 18.0145, 1.7501



41.2632, 21.2693, 2.0524



41.0081, 30.1706, 3.6639



15.0756, 15.0581, 15.6837



19.0843, 9.8364, 0.9793



1.5022, 0.7738, 0.0958

Inverse Universe

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



34.9474, 18.0145, 1.7501



41.2632, 21.2693, 2.0524



22.3051, 20.1517, 82.8342



15.0756, 15.0581, 15.6837



19.0843, 9.8364, 0.9793



1.5022, 0.7738, 0.0958

Previews

White Background



This preview shows how the XYZ color 34.9470, 18.0133, 1.7499 looks on a white background.

Color Contrast Check

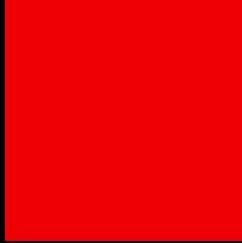
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.9470, 18.0133, 1.7499 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 34.9470, 18.0133, 1.7499

Background



This preview shows how black text looks on a background with the XYZ color 34.9470, 18.0133, 1.7499.



This preview shows how white text looks on a background with the XYZ color 34.9470, 18.0133,

1.7499.

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

34.9470, 18.0133, 1.7499

Protanopia

16.7953, 18.6002, 4.0013

Deuteranopia

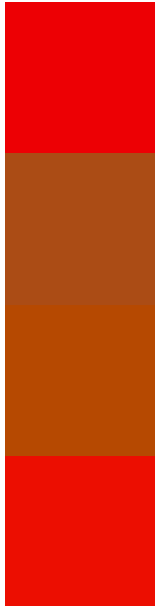
18.7798, 18.6139, 2.6030



Tritanopia

34.5479, 18.2360, 1.6990

Trichromacy



Original Color

34.9470, 18.0133, 1.7499

Protanomaly

19.5144, 13.8810, 2.3602

Deuteranomaly

21.6794, 14.7124, 1.7259

Tritanomaly

34.7546, 18.1491, 1.7001

Monochromacy



Original Color

34.9470, 18.0133, 1.7499

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

10.8115, 6.9073, 3.4527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9470, 18.0133, 1.7499 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(237, 0, 4)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 4)  
}
```

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(237, 0, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 4) }
```

Border

The CSS property to change the border of an element to XYZ 34.9470, 18.0133, 1.7499 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(237, 0, 4) }
```


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

```
.border{ border-color:rgb(237, 0, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 0, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(237, 0, 4); box-shadow:4px  
4px 4px 4px rgb(237, 0, 4) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9470, 18.0133, 1.7499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 4) }
```

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

```
.background{ background-color: rgb(237, 0,  
4) }
```

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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