

Converting Colors

XYZ(34.9909, 18.0618, 1.6421)

Have a look what the booklet for
XYZ(34.9909, 18.0618, 1.6421)
contains.

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Color

**XYZ(34.9468, 18.0479,
1.6417)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0200
RGB	237, 2, 0
RGB Percent	93%, 1%, 0%
CMY	0.0706, 0.9919, 1.0000
CMYK	0.00, 0.99, 1.00, 0.07
HSL	1°, 100%, 46%
HSV	1°, 100%, 93%
XYZ	34.9468, 18.0479, 1.6417
YIQ	72.0370, 140.7020, 49.1980

Conversions

Conversions Part 2

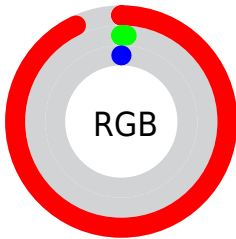
Format	Color
RYB	237, 2, 0
Decimal	15532544
CIELab	49.55, 75.64, 63.62
CIELCh	50, 98.834, 40.065
Yxy	18.0479, 0.6396, 0.3303
Android (android.graphics.Color)	4293722624 (0xFFED0200)
YUV	72.0370, -35.5142, 144.6726
Hunter-Lab	42.4828, 72.4910, 27.4468

Details

The XYZ color **34.9468, 18.0479, 1.6417** 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 **44.9783, 65.4990, 90.3923**, and the grayscale version is **6.2135, 6.5371, 7.1189**.

A 20% lighter version of the original color is **45.8929, 29.3841, 7.1238**, and **16.5776, 8.5460, 0.7758** is the 20% darker color. If you saturate the color by 10%, you get **34.9472, 18.0490, 1.6419**, and if you desaturate by 10%, it is **35.4462, 18.7882, 2.6062**.

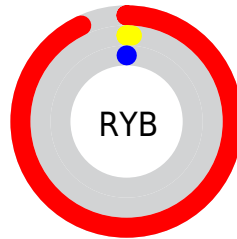
Distribution



Red (93%)

Green (1%)

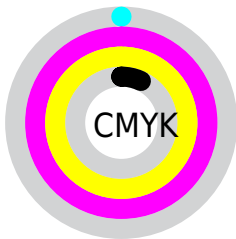
Blue (0%)



Red (93%)

Yellow (1%)

Blue (0%)

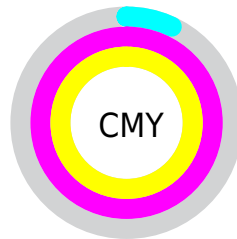


Cyan (0%)

Magenta (99%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (99%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9468, 18.0479, 1.6417 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 34.9468, 18.0479, 1.6417 by changing the saturation by 10% instead.


 34.9468, 18.0479,
1.6417


 34.9468, 18.0479,
1.6417


 315.8456,
241.1409, 116.5386

 23.7882, 10.9844,
0.3203


 66.7379, 40.1189,
8.0358


 15.3005, 6.0563,
0.0000


 88.1011, 55.8952,
14.0784

 9.1182, 2.8794,
0.0000


 113.5967, 75.3446,
22.5760

 4.8761, 1.0691,
0.0000

 143.5898, 98.8514,
33.9472

 2.2088, 0.0000,
0.0000

 178.4459,
126.8000, 48.6105

 0.7474, 0.0000,
0.0000


 218.5303,


 0.0000, 0.0000,


159.5749, 66.9845


0.0000


 264.2084,
197.5604, 89.4877


 34.9468, 18.0479,
1.6417


 34.9468, 18.0479,
1.6417

 34.9472, 18.0490,
1.6419

 35.4462, 18.7882,
2.6062

 36.5463, 20.4133,
4.7459

 38.4179, 23.1655,
8.4248

 41.1674, 27.1990,
13.8593

 44.8847, 32.6442,
21.2314

■ 49.6484, 39.6153,
30.7002

■ 55.5292, 48.2149,
42.4085

■ 62.5916, 58.5368,
56.4866

■ 70.8951, 70.6674,
73.0548

Harmonies

Analogous

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



41.6820, 18.0479, 11.9484



34.9468, 18.0479, 1.6417



24.0524, 18.0479, 0.0000

Triad

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



34.9468, 18.0479, 1.6417



5.1866, 18.0479, 6.7939



20.4960, 18.0479, 126.6550

Complementary

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



34.9468, 18.0479, 1.6417



44.9783, 65.4990, 90.3923

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.



11.7195, 18.0479, 118.8695



34.9468, 18.0479, 1.6417



4.8338, 18.0479, 30.1074

Square

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



34.9468, 18.0479, 1.6417



7.9807, 18.0479, 0.6851



6.7367, 18.0479, 75.0126



31.5442, 18.0479, 91.3981

Rectangle

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



34.9468, 18.0479, 1.6417



17.1336, 18.0479, 0.0000



6.7367, 18.0479, 75.0126



17.1744, 18.0479, 129.4224

Sweetspot

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



34.9472, 18.0491, 1.6419



65.4791, 56.8002, 49.8956



50.2108, 24.1188, 82.1293



13.3520, 11.1879, 9.3588



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.



34.9472, 18.0491, 1.6419



41.2640, 21.3080, 1.9380



41.4624, 31.0795, 3.8137



15.0760, 15.0749, 15.6339



19.0848, 9.8639, 0.8980



1.5023, 0.7820, 0.0718

Inverse Universe

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



44.9783, 65.4990, 90.3923



53.1086, 77.3371, 106.7362



21.8235, 19.1894, 82.6740



15.5059, 17.0981, 19.4053



24.5621, 35.7711, 49.3529



1.9323, 2.8161, 3.8766

Previews

White Background



This preview shows how the XYZ color 34.9468, 18.0479, 1.6417 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 34.9468, 18.0479, 1.6417 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 34.9468, 18.0479, 1.6417

Background



This preview shows how black text looks on a background with the XYZ color 34.9468, 18.0479, 1.6417.



This preview shows how white text looks on a background with the XYZ color 34.9468, 18.0479,

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

34.9468, 18.0479, 1.6417

Protanopia

16.7953, 18.6002, 4.0013

Deuteranopia

18.7798, 18.6139, 2.6030



Tritanopia

34.5479, 18.2360, 1.6990

Trichromacy



Original Color

34.9468, 18.0479, 1.6417

Protanomaly

19.5747, 14.0162, 2.3355

Deuteranomaly

21.6739, 14.7102, 1.6970

Tritanomaly

34.7629, 18.1745, 1.6758

Monochromacy



Original Color

34.9468, 18.0479, 1.6417

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

11.0254, 7.1358, 3.3810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9468, 18.0479, 1.6417 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, 2, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 2, 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(237, 2, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 34.9468, 18.0479, 1.6417 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, 2, 0) }
```


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

```
.border{ border-color:rgb(237, 2, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 2, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 2, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(237, 2, 0); box-shadow:4px  
4px 4px 4px rgb(237, 2, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9468, 18.0479, 1.6417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 2, 0) }
```

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

```
.background{ background-color: rgb(237, 2,  
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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