

Converting Colors

XYZ(34.3604, 18.4296, 2.1922)

Have a look what the booklet for
XYZ(34.3604, 18.4296, 2.1922)
contains.

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Color

**XYZ(34.5079, 18.5069,
2.2054)**

Conversions

Conversions Part 1

Format	Color
Hex	EA1F0F
RGB	234, 31, 15
RGB Percent	92%, 12%, 6%
CMY	0.0824, 0.8783, 0.9412
CMYK	0.00, 0.87, 0.94, 0.08
HSL	4°, 88%, 49%
HSV	4°, 94%, 92%
XYZ	34.5079, 18.5069, 2.2054
YIQ	89.8730, 126.1240, 38.0600

Conversions

Conversions Part 2

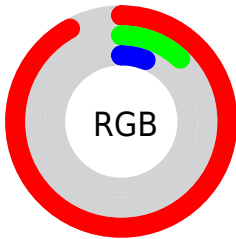
Format	Color
R_{YB}	234, 32, 15
Decimal	15343375
CIE _{Lab}	50.11, 71.76, 59.46
CIE _{LCh}	50, 93.190, 39.644
Yxy	18.5069, 0.6249, 0.3351
Android (android.graphics.Color)	4293533455 (0xFFEA1F0F)
YUV	89.8730, -36.9124, 126.3994
Hunter-Lab	43.0196, 67.8981, 27.0743

Details

The XYZ color **34.5079, 18.5069, 2.2054** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **40.1134, 56.1725, 86.5694**, and the grayscale version is **9.7529, 10.2608, 11.1740**.

A 20% lighter version of the original color is **46.8770, 30.9607, 8.6596**, and **16.1484, 8.3248, 0.7557** is the 20% darker color. If you saturate the color by 10%, you get **34.1337, 17.8969, 1.6554**, and if you desaturate by 10%, it is **35.5478, 20.1550, 3.8847**.

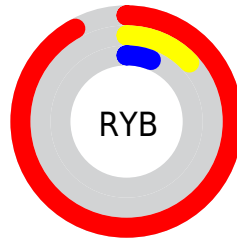
Distribution



Red (92%)

Green (12%)

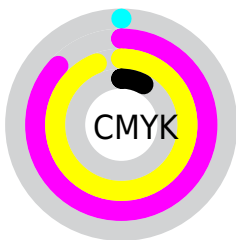
Blue (6%)



Red (92%)

Yellow (13%)

Blue (6%)

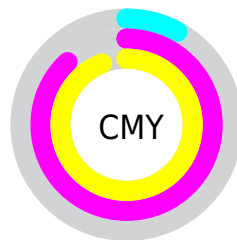


Cyan (0%)

Magenta (87%)

Yellow (94%)

Black (8%)



Cyan (8%)


Magenta (88%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5079, 18.5069, 2.2054 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 34.5079, 18.5069, 2.2054 by changing the saturation by 10% instead.


 34.5079, 18.5069,
2.2054


 34.5079, 18.5069,
2.2054


313.9371,
243.7129, 125.4889


 23.4488, 11.3145,
0.6775


 66.0618, 40.8992,
9.5951

 15.0478, 6.2788,
0.0000


 87.2873, 56.8679,
16.3215


 8.9394, 3.0153,
0.0000


 112.6322, 76.5308,
25.6269

 4.7585, 1.1397,
0.0000

 142.4621,
100.2724, 37.9299

 2.1396, 0.0117,
0.0000

 177.1421,
128.4770, 53.6491


 0.7106, 0.0000,
0.0000


 217.0377,


 0.0000, 0.0000,


161.5290, 73.2029


0.0000


 262.5143,
199.8128, 97.0100


 34.5079, 18.5069,
2.2054


 34.5079, 18.5069,
2.2054


 34.1337, 17.8969,
1.6554

 35.5478, 20.1550,
3.8847

 37.2711, 22.7892,
6.9634

 39.7701, 26.5334,
11.6618

 43.1225, 31.4922,
18.1617

 47.3964, 37.7584,
26.6205

■ 52.6531, 45.4154,
37.1785

■ 58.9486, 54.5401,
49.9632

■ 66.3346, 65.2034,
65.0917

■ 74.8594, 77.4717,
82.6732

Harmonies

Analogous

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



40.6811, 18.5069, 12.9528



34.5079, 18.5069, 2.2054



24.3027, 18.5069, 0.0000

Triad

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



34.5079, 18.5069, 2.2054



5.8636, 18.5069, 7.3837



20.6429, 18.5069, 118.7153

Complementary

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



34.5079, 18.5069, 2.2054



40.1134, 56.1725, 86.5694

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.



12.2438, 18.5069, 111.0940



34.5079, 18.5069, 2.2054



5.4718, 18.5069, 29.6175

Square

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



34.5079, 18.5069, 2.2054



8.7167, 18.5069, 1.0240



7.3664, 18.5069, 70.9989



31.0593, 18.5069, 87.2041

Rectangle

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



34.5079, 18.5069, 2.2054



17.6977, 18.5069, 0.0000



7.3664, 18.5069, 70.9989



17.4832, 18.5069, 121.0053

Sweetspot

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



34.5083, 18.5081, 2.2057



68.0096, 61.0235, 53.3221



46.9411, 22.9695, 69.2533



13.8675, 12.0616, 10.0156



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.



34.5083, 18.5081, 2.2057



41.4671, 21.7142, 2.0057



43.2648, 36.0211, 5.1245



15.1540, 15.2310, 15.6599



19.2149, 10.1240, 0.9414



1.5398, 0.8569, 0.0842

Inverse Universe

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



40.1134, 56.1725, 86.5694



48.1443, 67.4085, 105.0814



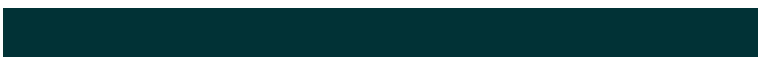
20.6135, 17.1725, 80.0694



15.4179, 16.9222, 19.3760



22.3120, 31.2710, 48.6029



1.7803, 2.5120, 3.8259

Previews

White Background



This preview shows how the XYZ color 34.5079, 18.5069, 2.2054 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 34.5079, 18.5069, 2.2054 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 34.5079, 18.5069, 2.2054

Background



This preview shows how black text looks on a background with the XYZ color 34.5079, 18.5069, 2.2054.



This preview shows how white text looks on a background with the XYZ color 34.5079, 18.5069,

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

34.5079, 18.5069, 2.2054

Protanopia

17.0115, 18.7052, 4.3040

Deuteranopia

18.7798, 18.6139, 2.6030



Tritanopia

34.5714, 18.4912, 2.6667

Trichromacy



Original Color

34.5079, 18.5069, 2.2054

Protanomaly

20.4939, 15.7212, 3.0530

Deuteranomaly

22.2538, 16.1754, 2.0928

Tritanomaly

34.5313, 18.4751, 2.4555

Monochromacy



Original Color

34.5079, 18.5069, 2.2054

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

14.1807, 10.3659, 5.9560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5079, 18.5069, 2.2054 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(234, 31, 15)` looks like.

```
.text, #text, p{  
    color:rgb(234, 31, 15)  
}
```

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(234, 31, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 31, 15) }
```

Border

The CSS property to change the border of an element to XYZ 34.5079, 18.5069, 2.2054 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(234, 31, 15) }
```


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

```
.border{ border-color:rgb(234, 31, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 31, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 31, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 31, 15);  
box-shadow:4px 4px 4px 4px rgb(234, 31,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5079, 18.5069, 2.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 31, 15) }
```

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

```
.background{ background-color: rgb(234, 31,  
15) }
```

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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