

Converting Colors

XYZ(34.9332, 18.3594, 1.9637)

Have a look what the booklet for
XYZ(34.9332, 18.3594, 1.9637)
contains.

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Color

**XYZ(34.8743, 18.3183,
1.9562)**

Conversions

Conversions Part 1

Format	Color
Hex	EC1309
RGB	236, 19, 9
RGB Percent	93%, 7%, 4%
CMY	0.0745, 0.9253, 0.9647
CMYK	0.00, 0.92, 0.96, 0.07
HSL	3°, 93%, 48%
HSV	3°, 96%, 93%
XYZ	34.8743, 18.3183, 1.9562
YIQ	82.7430, 132.5420, 42.8940

Conversions

Conversions Part 2

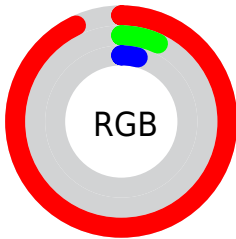
Format	Color
RYB	236, 19, 9
Decimal	15471369
CIELab	49.88, 73.99, 61.20
CIElCh	50, 96.021, 39.598
Yxy	18.3183, 0.6324, 0.3322
Android (android.graphics.Color)	4293661449 (0xFFEC1309)
YUV	82.7430, -36.3553, 134.4064
Hunter-Lab	42.7999, 70.5460, 27.2500

Details

The XYZ color **34.8743, 18.3183, 1.9562** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **42.4400, 60.4884, 88.7950**, and the grayscale version is **8.2263, 8.6547, 9.4250**.

A 20% lighter version of the original color is **46.3842, 30.1572, 7.9336**, and **16.5776, 8.5460, 0.7758** is the 20% darker color. If you saturate the color by 10%, you get **34.7051, 18.0593, 1.6566**, and if you desaturate by 10%, it is **35.6745, 19.5676, 3.3065**.

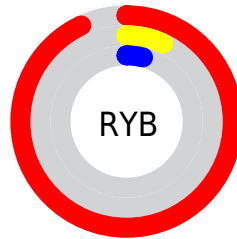
Distribution



Red (93%)

Green (7%)

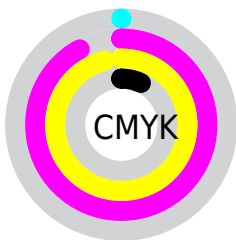
Blue (4%)



Red (93%)

Yellow (7%)

Blue (4%)

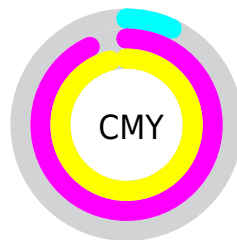


Cyan (0%)

Magenta (92%)

Yellow (96%)

Black (7%)



Cyan (7%)


Magenta (93%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8743, 18.3183, 1.9562 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 34.8743, 18.3183, 1.9562 by changing the saturation by 10% instead.

 34.8743, 18.3183,
1.9562


 34.8743, 18.3183,
1.9562


 315.5309,
242.6591, 121.6929


 23.7321, 11.1788,
0.5281


 66.6263, 40.5790,
8.9207


 15.2587, 6.1872,
0.0000


 87.9668, 56.4689,
15.3567

 9.0886, 2.9592,
0.0000


 113.4375, 76.0443,
24.3199

 4.8566, 1.1105,
0.0000

 143.4037, 99.6898,
36.2288

 2.1973, 0.0000,
0.0000

 178.2308,
127.7896, 51.5021


 0.7413, 0.0000,
0.0000


 218.2841,


 0.0000, 0.0000,


160.7281, 70.5581


0.0000


 263.9291,
198.8898, 93.8156


 34.8743, 18.3183,
1.9562


 34.8743, 18.3183,
1.9562


 34.7051, 18.0593,
1.6566

 35.6745, 19.5676,
3.3065

 37.1525, 21.8040,
6.0179

 39.4171, 25.1781,
10.3336

 42.5571, 29.8138,
16.4499

 46.6498, 35.8190,
24.5347

■ 51.7635, 43.2902,
34.7369

■ 57.9608, 52.3149,
47.1910

■ 65.2987, 62.9740,
62.0204

■ 73.8307, 75.3426,
79.3394

Harmonies

Analogous

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



41.2778, 18.3183, 12.6442



34.8743, 18.3183, 1.9562



24.3224, 18.3183, 0.0000

Triad

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



34.8743, 18.3183, 1.9562



5.5490, 18.3183, 6.9981



20.5252, 18.3183, 122.9443

Complementary

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



34.8743, 18.3183, 1.9562



42.4400, 60.4884, 88.7950

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.



11.9512, 18.3183, 114.8425



34.8743, 18.3183, 1.9562



5.1570, 18.3183, 29.6245

Square

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



34.8743, 18.3183, 1.9562



8.4052, 18.3183, 0.8398



7.0396, 18.3183, 72.6811



31.2698, 18.3183, 89.8226

Rectangle

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



34.8743, 18.3183, 1.9562



17.5351, 18.3183, 0.0000



7.0396, 18.3183, 72.6811



17.2875, 18.3183, 125.3360

Sweetspot

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



34.8747, 18.3195, 1.9564



66.7924, 59.0118, 51.6130



48.7534, 23.6537, 75.7103



13.6201, 11.6461, 9.6884



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.



34.8747, 18.3195, 1.9564



41.3628, 21.5056, 1.9709



42.6328, 33.8358, 4.5425



15.1189, 15.1607, 15.6482



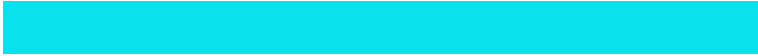
19.1546, 10.0035, 0.9213



1.5230, 0.8233, 0.0786

Inverse Universe

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



42.4400, 60.4884, 88.7950



50.3191, 71.7583, 105.8064



21.3762, 18.3608, 81.7737



15.4573, 17.0010, 19.3891



23.2983, 33.2436, 48.9317



1.8472, 2.6458, 3.8482

Previews

White Background



This preview shows how the XYZ color 34.8743, 18.3183, 1.9562 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 34.8743, 18.3183, 1.9562 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 34.8743, 18.3183, 1.9562

Background



This preview shows how black text looks on a background with the XYZ color 34.8743, 18.3183, 1.9562.



This preview shows how white text looks on a background with the XYZ color 34.8743, 18.3183,

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

34.8743, 18.3183, 1.9562

Protanopia

16.8087, 18.6056, 4.0718

Deuteranopia

18.7798, 18.6139, 2.6030



Tritanopia

34.8602, 18.3692, 1.7083

Trichromacy



Original Color

34.8743, 18.3183, 1.9562

Protanomaly

20.0527, 14.9104, 2.6853

Deuteranomaly

22.1038, 15.5436, 1.9214

Tritanomaly

34.8587, 18.3398, 1.7888

Monochromacy



Original Color

34.8743, 18.3183, 1.9562

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

12.9771, 9.0062, 4.7958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8743, 18.3183, 1.9562 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(236, 19, 9)` looks like.

```
.text, #text, p{  
    color:rgb(236, 19, 9)  
}
```

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(236, 19, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 19, 9) }
```

Border

The CSS property to change the border of an element to XYZ 34.8743, 18.3183, 1.9562 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(236, 19, 9) }
```


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

```
.border{ border-color:rgb(236, 19, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 19, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 19, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 19, 9);  
box-shadow:4px 4px 4px 4px rgb(236, 19, 9)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.8743, 18.3183, 1.9562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 19, 9) }
```

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

```
.background{ background-color: rgb(236, 19,  
9) }
```

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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