

Converting Colors

XYZ(33.4323, 18.5986, 4.3512)

Have a look what the booklet for
XYZ(33.4323, 18.5986, 4.3512)
contains.

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Color

**XYZ(33.4069, 18.5602,
4.3044)**

Conversions

Conversions Part 1

Format	Color
Hex	E42D2D
RGB	228, 45, 45
RGB Percent	89%, 18%, 18%
CMY	0.1059, 0.8235, 0.8235
CMYK	0.00, 0.80, 0.80, 0.11
HSL	0°, 77%, 54%
HSV	0°, 80%, 89%
XYZ	33.4069, 18.5602, 4.3044
YIQ	99.7170, 109.0680, 38.7960

Conversions

Conversions Part 2

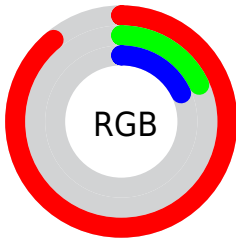
Format	Color
R_{YB}	228, 45, 45
Decimal	14953773
CIE _{Lab}	50.17, 67.65, 45.95
CIE _{LCh}	50, 81.781, 34.187
Yxy	18.5602, 0.5937, 0.3298
Android (android.graphics.Color)	4293143853 (0xFFE42D2D)
YUV	99.7170, -26.9755, 112.5042
Hunter-Lab	43.0816, 63.0223, 24.2333

Details

The XYZ color **33.4069, 18.5602, 4.3044** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **42.8245, 61.6369, 83.0381**, and the grayscale version is **12.0899, 12.7196, 13.8516**.

A 20% lighter version of the original color is **48.5343, 32.7578, 13.8901**, and **15.1043, 7.7865, 0.7069** is the 20% darker color. If you saturate the color by 10%, you get **32.4325, 17.1347, 2.3672**, and if you desaturate by 10%, it is **35.0879, 21.0206, 7.6451**.

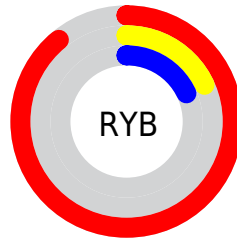
Distribution



Red (89%)

Green (18%)

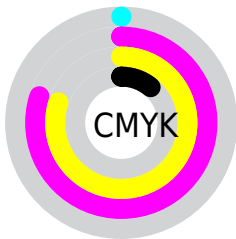
Blue (18%)



Red (89%)

Yellow (18%)

Blue (18%)

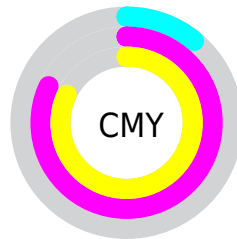


Cyan (0%)

Magenta (80%)

Yellow (80%)

Black (11%)



Cyan (11%)


Magenta (82%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4069, 18.5602, 4.3044 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 33.4069, 18.5602, 4.3044 by changing the saturation by 10% instead.


 33.4069, 18.5602,
4.3044


 33.4069, 18.5602,
4.3044

309.1119,
244.0099, 151.5510


 22.5991, 11.3529,
1.7938


 64.3607, 40.9896,
14.7059

 14.4168, 6.3047,
0.4238


 85.2374, 56.9805,
23.4339

 8.4948, 3.0313,
0.0000


 110.2011, 76.6681,
35.0714

 4.4676, 1.1481,
0.0000

 139.6171,
100.4368, 50.0370

 1.9699, 0.0187,
0.0000

 173.8509,
128.6709, 68.7492

 0.6170, 0.0000,
0.0000

 213.2677,

 0.0000, 0.0000,

161.7549, 91.6266

0.0000

258.2329,
200.0731, 119.0877

■ 33.4069, 18.5602,
4.3044

■ 33.4069, 18.5602,
4.3044

■ 32.4325, 17.1347,
2.3672

■ 35.0879, 21.0206,
7.6451


■ 31.9948, 16.4942,
1.4974


■ 37.5738, 24.6584,
12.5867


■ 40.9489, 29.5972,
19.2959

■ 45.2864, 35.9442,
27.9185

■ 50.6519, 43.7956,
38.5849

 57.1054, 53.2388,
51.4143

 64.7022, 64.3550,
66.5166

 73.4938, 77.2194,
83.9943

 83.5286, 91.9030,
103.9438

Harmonies

Analogous

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



37.5163, 18.5602, 17.1991



33.4069, 18.5602, 4.3044



25.1081, 18.5602, 0.9002

Triad

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



33.4069, 18.5602, 4.3044



7.2028, 18.5602, 6.5771



18.7722, 18.5602, 101.9273

Complementary

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



33.4069, 18.5602, 4.3044



42.8245, 61.6369, 83.0381

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.



11.8238, 18.5602, 90.0115



33.4069, 18.5602, 4.3044



6.4218, 18.5602, 23.5508

Square

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



33.4069, 18.5602, 4.3044



10.4141, 18.5602, 1.3626



7.8300, 18.5602, 55.7860



27.6153, 18.5602, 81.6923

Rectangle

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



33.4069, 18.5602, 4.3044



19.2230, 18.5602, 0.3591



7.8300, 18.5602, 55.7860



16.1481, 18.5602, 101.6114

Sweetspot

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



33.4073, 18.5613, 4.3047



70.2036, 63.6430, 59.5054



46.9365, 23.9721, 75.5513



14.3958, 12.6994, 11.4829



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.



33.4073, 18.5613, 4.3047



41.4068, 21.5042, 2.2613



41.3430, 34.4328, 6.9499



14.3772, 14.3682, 14.9200



18.4752, 9.5246, 0.8647



1.3653, 0.7039, 0.0639

Inverse Universe

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



42.8245, 61.6369, 83.0381



53.9310, 78.7924, 106.9737



23.9604, 23.9088, 76.7501



14.8074, 16.3362, 18.5171



24.1032, 35.2685, 47.9203



1.7812, 2.6063, 3.5412

Previews

White Background



This preview shows how the XYZ color 33.4069, 18.5602, 4.3044 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 33.4069, 18.5602, 4.3044 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 33.4069, 18.5602, 4.3044

Background



This preview shows how black text looks on a background with the XYZ color 33.4069, 18.5602, 4.3044.



This preview shows how white text looks on a background with the XYZ color 33.4069, 18.5602,

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

33.4069, 18.5602, 4.3044

Protanopia

17.2156, 18.7318, 7.8625

Deuteranopia

19.0016, 18.7026, 3.7709



Tritanopia

33.4069, 18.5602, 4.3044

Trichromacy



Original Color

33.4069, 18.5602, 4.3044

Protanomaly

20.6144, 16.3497, 6.0723

Deuteranomaly

22.4662, 16.8498, 3.6584

Tritanomaly

33.4069, 18.5602, 4.3044

Monochromacy



Original Color

33.4069, 18.5602, 4.3044

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

16.3493, 12.5196, 9.1442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4069, 18.5602, 4.3044 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(228, 45, 45)` looks like.

```
.text, #text, p{  
  color:rgb(228, 45, 45)  
}
```

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(228, 45, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 45, 45) }
```

Border

The CSS property to change the border of an element to XYZ 33.4069, 18.5602, 4.3044 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(228, 45, 45) }
```


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

```
.border{ border-color:rgb(228, 45, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 45, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 45, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 45, 45);  
box-shadow:4px 4px 4px 4px rgb(228, 45,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4069, 18.5602, 4.3044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 45, 45) }
```

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

```
.background{ background-color: rgb(228, 45,  
45) }
```

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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