

Converting Colors

XYZ(33.4686, 18.6452, 4.4210)

Have a look what the booklet for
XYZ(33.4686, 18.6452, 4.4210)
contains.

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Color

**XYZ(33.4650, 18.6452,
4.4199)**

Conversions

Conversions Part 1

Format	Color
Hex	E42E2E
RGB	228, 46, 46
RGB Percent	89%, 18%, 18%
CMY	0.1059, 0.8195, 0.8196
CMYK	0.00, 0.80, 0.80, 0.11
HSL	0°, 77%, 54%
HSV	0°, 80%, 89%
XYZ	33.4650, 18.6452, 4.4199
YIQ	100.4180, 108.4720, 38.5840

Conversions

Conversions Part 2

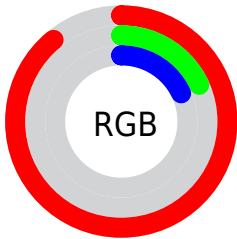
Format	Color
R_{YB}	228, 46, 46
Decimal	14954030
CIE Lab	50.27, 67.42, 45.52
CIE LCh	50, 81.350, 34.027
Yxy	18.6452, 0.5920, 0.3298
Android (android.graphics.Color)	4293144110 (0xFFE42E2E)
YUV	100.4180, -26.8281, 111.8894
Hunter-Lab	43.1801, 62.7741, 24.1572

Details

The XYZ color **33.4650, 18.6452, 4.4199** 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 **42.8693, 61.6603, 83.0403**, and the grayscale version is **12.2689, 12.9078, 14.0566**.

A 20% lighter version of the original color is **48.6844, 32.9876, 14.1572**, and **15.1043, 7.7865, 0.7069** is the 20% darker color. If you saturate the color by 10%, you get **32.4620, 17.1780, 2.4260**, and if you desaturate by 10%, it is **35.1793, 21.1545, 7.8270**.

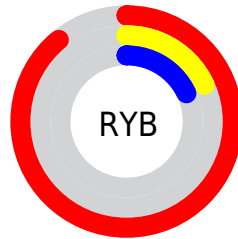
Distribution



Red (89%)

Green (18%)

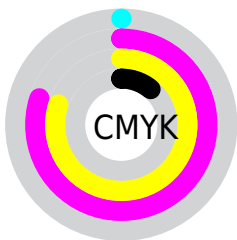
Blue (18%)



Red (89%)

Yellow (18%)

Blue (18%)

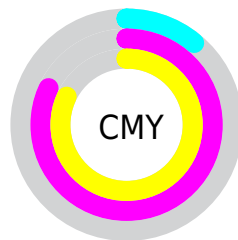


Cyan (0%)

Magenta (80%)

Yellow (80%)

Black (11%)



Cyan (11%)


Magenta (82%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4650, 18.6452, 4.4199 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 33.4650, 18.6452, 4.4199 by changing the saturation by 10% instead.

 33.4650, 18.6452,
4.4199


 33.4650, 18.6452,
4.4199


309.3679,
244.4830, 152.7841

 22.6438, 11.4142,
1.8584


 64.4507, 41.1337,
14.9671

 14.4500, 6.3462,
0.4661


 85.3459, 57.1600,
23.7900

 8.5181, 3.0567,
0.0000


 110.3298, 76.8868,
35.5370

 4.4828, 1.1614,
0.0000

 139.7679,
100.6986, 50.6268

 1.9787, 0.0298,
0.0000

 174.0253,
128.9797, 69.4779

 0.6220, 0.0000,
0.0000

 213.4676,

 0.0000, 0.0000,

162.1145, 92.5087

0.0000

258.4600,
200.4875, 120.1380

■ 33.4650, 18.6452,
4.4199

■ 33.4650, 18.6452,
4.4199

■ 32.4620, 17.1780,
2.4260

■ 35.1793, 21.1545,
7.8270

■ 32.0014, 16.5038,
1.5104

■ 37.7026, 24.8468,
12.8428

■ 31.9948, 16.4942,
1.4974

■ 41.1184, 29.8453,
19.6330

■ 45.4997, 36.2563,
28.3426

■ 50.9117, 44.1757,
39.1014

■ 57.4143, 53.6907,
52.0283

■ 65.0624, 64.8821,
67.2327

■ 73.9076, 77.8249,
84.8169

■ 83.9980, 92.5899,
104.8769

Harmonies

Analogous

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



37.5225, 18.6452, 17.4057



33.4650, 18.6452, 4.4199



25.2140, 18.6452, 0.9465

Triad

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



33.4650, 18.6452, 4.4199



7.2975, 18.6452, 6.6169



18.8065, 18.6452, 101.5517

Complementary

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



33.4650, 18.6452, 4.4199



42.8693, 61.6603, 83.0403

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.



11.8834, 18.6452, 89.5609



33.4650, 18.6452, 4.4199



6.5025, 18.6452, 23.5018

Square

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



33.4650, 18.6452, 4.4199



10.5275, 18.6452, 1.3985



7.9020, 18.6452, 55.5185



27.6165, 18.6452, 81.6163

Rectangle

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



33.4650, 18.6452, 4.4199



19.3443, 18.6452, 0.4029



7.9020, 18.6452, 55.5185



16.1924, 18.6452, 101.1769

Sweetspot

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



33.4654, 18.6463, 4.4202



70.2036, 63.6429, 59.5054



46.9751, 24.0493, 75.5642



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.



33.4654, 18.6463, 4.4202



41.4068, 21.5042, 2.2612



41.4335, 34.5824, 7.0762



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.



42.8693, 61.6603, 83.0403



53.9312, 78.7929, 106.9738



24.0759, 24.0736, 76.7759



14.8074, 16.3362, 18.5171



24.1033, 35.2687, 47.9203



1.7812, 2.6063, 3.5412

Previews

White Background



This preview shows how the XYZ color 33.4650, 18.6452, 4.4199 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 33.4650, 18.6452, 4.4199 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 33.4650, 18.6452, 4.4199

Background



This preview shows how black text looks on a background with the XYZ color 33.4650, 18.6452, 4.4199.



This preview shows how white text looks on a background with the XYZ color 33.4650, 18.6452,

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

33.4650, 18.6452, 4.4199

Protanopia

17.2453, 18.7437, 8.0192

Deuteranopia

19.0142, 18.7077, 3.8371



Tritanopia

33.4650, 18.6452, 4.4199

Trichromacy



Original Color

33.4650, 18.6452, 4.4199

Protanomaly

20.6401, 16.3600, 6.2076

Deuteranomaly

22.4812, 16.8558, 3.7377

Tritanomaly

33.4650, 18.6452, 4.4199

Monochromacy



Original Color

33.4650, 18.6452, 4.4199

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 33.4650, 18.6452, 4.4199 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, 46, 46)` looks like.

```
.text, #text, p{  
  color:rgb(228, 46, 46)  
}
```

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, 46, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 46, 46) }
```

Border

The CSS property to change the border of an element to XYZ 33.4650, 18.6452, 4.4199 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, 46, 46) }
```


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

```
.border{ border-color:rgb(228, 46, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 46, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 46, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 46, 46);  
box-shadow:4px 4px 4px 4px rgb(228, 46,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4650, 18.6452, 4.4199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 46, 46) }
```

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

```
.background{ background-color: rgb(228, 46,  
46) }
```

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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