

Converting Colors

XYZ(31.3449, 18.4634, 6.1867)

Have a look what the booklet for
XYZ(31.3449, 18.4634, 6.1867)
contains.

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Color

**XYZ(31.3449, 18.4634,
6.1867)**

Conversions

Conversions Part 1

Format	Color
Hex	DA3C3C
RGB	218, 60, 60
RGB Percent	85%, 24%, 24%
CMY	0.1451, 0.7647, 0.7647
CMYK	0.00, 0.72, 0.72, 0.15
HSL	0°, 68%, 55%
HSV	0°, 72%, 85%
XYZ	31.3449, 18.4634, 6.1867
YIQ	107.2420, 94.1680, 33.4960

Conversions

Conversions Part 2

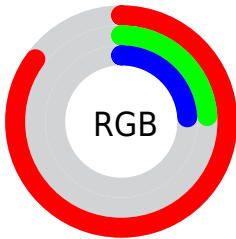
Format	Color
RYB	218, 60, 60
Decimal	14302268
CIELab	50.05, 60.73, 37.00
CIELCh	50, 71.114, 31.349
Yxy	18.4634, 0.5598, 0.3297
Android (android.graphics.Color)	4292492348 (0xFFDA3C3C)
YUV	107.2420, -23.2903, 97.1348
Hunter-Lab	42.9691, 55.0156, 21.5417

Details

The XYZ color **31.3449, 18.4634, 6.1867** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **39.5867, 56.1594, 75.0826**, and the grayscale version is **14.0879, 14.8216, 16.1407**.

A 20% lighter version of the original color is **50.4252, 35.2996, 18.3432**, and **13.6187, 7.0090, 1.1654** is the 20% darker color. If you saturate the color by 10%, you get **29.9663, 16.4465, 3.4458**, and if you desaturate by 10%, it is **33.4316, 21.5174, 10.3342**.

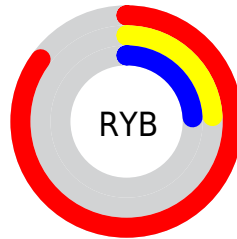
Distribution



Red (85%)

Green (24%)

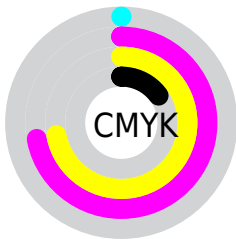
Blue (24%)



Red (85%)

Yellow (24%)

Blue (24%)

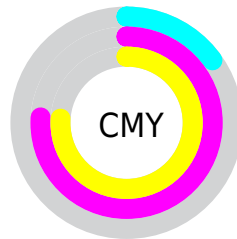


Cyan (0%)

Magenta (72%)

Yellow (72%)

Black (15%)



Cyan (15%)


Magenta (76%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3449, 18.4634, 6.1867 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 31.3449, 18.4634, 6.1867 by changing the saturation by 10% instead.

 31.3449, 18.4634,
6.1867

 31.3449, 18.4634,
6.1867


299.9227,
243.4702, 170.0896


 21.0147, 11.2832,
2.8883


 61.1548, 40.8254,
18.8015

 13.2473, 6.2577,
1.0379


 81.3653, 56.7759,
28.9550

 7.6772, 3.0024,
0.0000


 105.5999, 76.4187,
42.2307

 3.9392, 1.1330,
0.0000

 134.2241,
100.1382, 59.0469

 1.6678, 0.0059,
0.0000

 167.6030,
128.3187, 79.8224

 0.4360, 0.0000,
0.0000

 206.1023,

 0.0000, 0.0000,

161.3445, 104.9757

0.0000

250.0870,
199.6003, 134.9252

■ 31.3449, 18.4634,
6.1867

■ 31.3449, 18.4634,
6.1867

■ 29.9663, 16.4465,
3.4458

■ 33.4316, 21.5174,
10.3342

■ 29.2013, 15.3269,
1.9254


■ 36.3027, 25.7187,
16.0414


■ 28.9134, 14.9056,
1.3532


■ 40.0258, 31.1667,
23.4426


■ 44.6611, 37.9495,
32.6574

■ 50.2633, 46.1472,
43.7944

 56.8829, 55.8335,
56.9539

 64.5666, 67.0769,
72.2291

 73.3586, 79.9419,
89.7075

 82.7232, 93.6453,
108.3231

Harmonies

Analogous

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



34.2509, 18.4634, 19.2302



31.3449, 18.4634, 6.1867



24.6392, 18.4634, 1.8568

Triad

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



31.3449, 18.4634, 6.1867



8.3539, 18.4634, 6.9131



17.8602, 18.4634, 86.1468

Complementary

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



31.3449, 18.4634, 6.1867



39.5867, 56.1594, 75.0826

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.



11.9688, 18.4634, 74.5697



31.3449, 18.4634, 6.1867



7.4122, 18.4634, 21.0029

Square

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



31.3449, 18.4634, 6.1867



11.5583, 18.4634, 2.0438



8.5440, 18.4634, 46.7497



25.3174, 18.4634, 72.4661

Rectangle

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



31.3449, 18.4634, 6.1867



19.6022, 18.4634, 1.1265



8.5440, 18.4634, 46.7497



15.6443, 18.4634, 85.0485

Sweetspot

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



31.3453, 18.4645, 6.1870



71.9385, 66.1815, 62.9547



43.1839, 23.1990, 68.5310



14.8973, 13.4332, 12.4799



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.



31.3453, 18.4645, 6.1870



42.0651, 22.4676, 3.5695



38.9615, 33.6968, 8.7257



13.0562, 13.0517, 13.5567



17.3223, 8.9302, 0.8107



1.1222, 0.5786, 0.0525

Inverse Universe

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



39.5867, 56.1594, 75.0826



54.4371, 79.0560, 106.9979



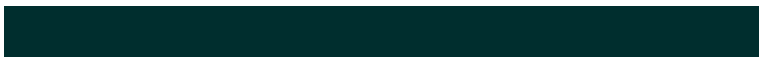
23.7509, 24.4878, 69.8040



13.4448, 14.8294, 16.8059



22.5997, 33.0688, 44.9302



1.4641, 2.1424, 2.9108

Previews

White Background



This preview shows how the XYZ color 31.3449, 18.4634, 6.1867 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 31.3449, 18.4634, 6.1867 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 31.3449, 18.4634, 6.1867

Background



This preview shows how black text looks on a background with the XYZ color 31.3449, 18.4634, 6.1867.



This preview shows how white text looks on a background with the XYZ color 31.3449, 18.4634,

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

31.3449, 18.4634, 6.1867

Protanopia

17.3704, 18.7580, 10.2945

Deuteranopia

18.9875, 18.6545, 5.6175



Tritanopia

31.3988, 18.4849, 6.4705

Trichromacy



Original Color

31.3449, 18.4634, 6.1867

Protanomaly

20.4706, 16.8978, 8.4860

Deuteranomaly

22.1241, 17.2704, 5.6575

Tritanomaly

31.3716, 18.4741, 6.3273

Monochromacy



Original Color

31.3449, 18.4634, 6.1867

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

17.5342, 14.2536, 11.4999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3449, 18.4634, 6.1867 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(218, 60, 60)` looks like.

```
.text, #text, p{  
    color:rgb(218, 60, 60)  
}
```

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(218, 60, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 60, 60) }
```

Border

The CSS property to change the border of an element to XYZ 31.3449, 18.4634, 6.1867 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(218, 60, 60) }
```


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

```
.border{ border-color:rgb(218, 60, 60) }
```

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

Here you see how a box with a 4 pixel rgb(218, 60, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 60, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 60, 60);  
box-shadow:4px 4px 4px 4px rgb(218, 60,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3449, 18.4634, 6.1867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 60, 60) }
```

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

```
.background{ background-color: rgb(218, 60,  
60) }
```

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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