

Converting Colors

CIELCh(31, 11.842, 118.539)

Have a look what the booklet for
CIELCh(31, 11.842, 118.539)
contains.

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Color

CIELCh(31, 11.589, 119.674)

Conversions

Conversions Part 1

Format	Color
Hex	464B39
RGB	70, 75, 57
RGB Percent	27%, 29%, 22%
CMY	0.7250, 0.7054, 0.7760
CMYK	0.07, 0.00, 0.24, 0.71
HSL	77°, 14%, 26%
HSV	77°, 24%, 29%
XYZ	5.8000, 6.6515, 4.8642
YIQ	71.4530, 2.7980, -6.6580

Conversions

Conversions Part 2

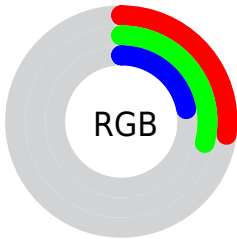
Format	Color
RYB	57, 75, 62
Decimal	4606777
CIELab	31.00, -5.74, 10.07
CIELCh	31, 11.589, 119.674
Yxy	6.6515, 0.3350, 0.3841
Android (android.graphics.Color)	4282796857 (0xFF464B39)
YUV	71.4530, -7.1253, -1.2743
Hunter-Lab	25.7905, -4.9907, 6.8711

Details

The CIELCh color **31, 11.589, 119.674** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 12.098, 302.411**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 11.855, 120.918**, and **11, 11.569, 118.630** is the 20% darker color. If you saturate the color by 10%, you get **31, 16.355, 119.131**, and if you desaturate by 10%, it is **31, 6.768, 120.225**.

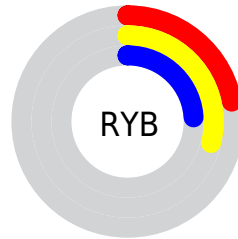
Distribution



Red (27%)

Green (29%)

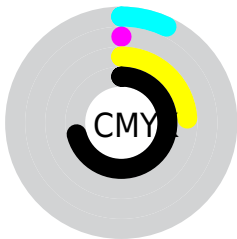
Blue (22%)



Red (22%)

Yellow (29%)

Blue (24%)

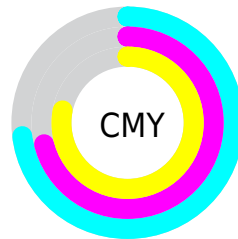


Cyan (7%)

Magenta (0%)

Yellow (24%)

Black (71%)



Cyan (73%)


Magenta (71%)


Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 11.589, 119.674 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 CIELCh color 31, 11.589, 119.674 by changing the saturation by 10% instead.


 31, 11.589,
119.674


 31, 11.589,
119.674

 100, 11.589,
119.674


 21, 11.589,
119.674

 51, 11.589,
119.674


 11, 11.589,
119.674


 61, 11.589,
119.674

 1, 11.589, 119.674

 71, 11.589,
119.674

 0, 11.589, 119.674

 81, 11.589,
119.674

 91, 11.589,
119.674

■ 31, 11.589,
119.674

■ 31, 11.589,
119.674

■ 31, 16.355,
119.131

■ 31, 6.768, 120.225

■ 30, 21.018,
118.606

■ 32, 1.921, 120.768

■ 32, 2.929, 301.268

■ 30, 25.514,
118.128

■ 33, 7.765, 301.765

■ 30, 29.751,
117.736

■ 33, 12.575,
302.232

■ 30, 33.600,
117.484

■ 34, 17.349,
302.670

■ 29, 36.896,
117.443

■ 34, 22.081,
303.080

■ 29, 39.767,
117.535

■ 35, 26.765,
303.461

■ 29, 41.644,

■ 35, 31.396,

117.479

303.816

Harmonies

Complementary

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



31, 11.589, 119.674



25, 12.098, 302.411

Rectangle

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



31, 11.589, 119.674



31, 11.589, 169.674



31, 11.589, 299.674



31, 11.589, 349.674

Sweetspot

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



31, 11.590, 119.677



41, 4.187, 120.589



27, 7.023, 46.423



20, 2.684, 120.583



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31, 11.590, 119.677



40, 17.274, 119.343



30, 13.065, 136.768



15, 2.745, 120.512



39, 51.589, 118.030



84, 93.870, 118.981

Inverse Universe

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



25, 12.098, 302.411



31, 18.251, 302.847



26, 13.224, 318.736



14, 2.791, 301.437



11, 66.068, 308.553



31, 120.550, 307.932

Previews

White Background



This preview shows how the CIELCh color 31, 11.589, 119.674 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 31, 11.589, 119.674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

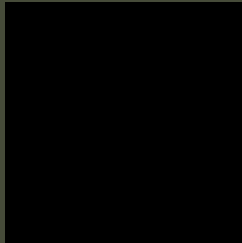
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

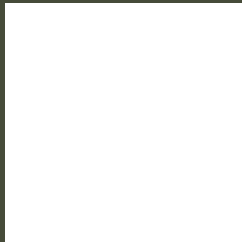
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 11.589, 119.674

Background



This preview shows how black text looks on a background with the CIELCh color 31, 11.589, 119.674.

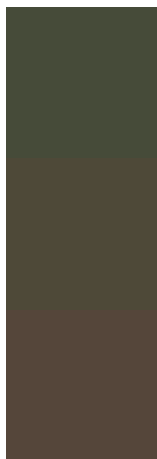


This preview shows how white text looks on a background with the CIELCh color 31, 11.589, 119.674.

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, 11.589, 119.674

Protanopia

31, 11.007, 95.684

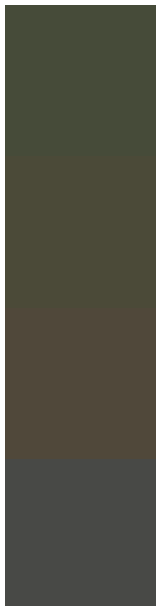
Deuteranopia

31, 10.546, 65.872



Tritanopia
31, 3.859, 297.223

Trichromacy



Original Color

31, 11.589, 119.674

Protanomaly

31, 11.357, 105.685

Deuteranomaly

31, 9.667, 85.400

Tritanomaly

31, 1.959, 122.868

Monochromacy



Original Color

31, 11.589, 119.674

Achromatopsia

31, 0.005, 296.813

Achromatomaly

31, 3.922, 122.661

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 11.589, 119.674 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(70, 75, 57)` looks like.

```
.text, #text, p{  
    color:rgb(70, 75, 57)  
}
```

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(70, 75, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 75, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 11.589, 119.674 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(70, 75, 57) }
```

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

```
.border{ border-color:rgb(70, 75, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 75, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 75, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 75, 57);  
box-shadow:4px 4px 4px 4px rgb(70, 75, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 11.589, 119.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 75, 57) }
```

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

```
.background{ background-color: rgb(70, 75,  
57) }
```

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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