

Converting Colors

CIELCh(31, 1.549, 71.021)

Have a look what the booklet for
CIELCh(31, 1.549, 71.021) contains.

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Color

CIELCh(31, 1.539, 74.723)

Conversions

Conversions Part 1

Format	Color
Hex	4B4947
RGB	75, 73, 71
RGB Percent	29%, 29%, 28%
CMY	0.7073, 0.7151, 0.7229
CMYK	0.00, 0.03, 0.05, 0.71
HSL	30°, 3%, 28%
HSV	30°, 5%, 29%
XYZ	6.3601, 6.6515, 6.8515
YIQ	73.3700, 1.8340, -0.1980

Conversions

Conversions Part 2

Format	Color
RYB	75, 75, 71
Decimal	4933959
CIELab	31.00, 0.41, 1.48
CIElCh	31, 1.539, 74.723
Yxy	6.6515, 0.3202, 0.3349
Android (android.graphics.Color)	4283124039 (0xFF4B4947)
YUV	73.3700, -1.1684, 1.4295
Hunter-Lab	25.7905, -1.1142, 2.3023

Details

The CIELCh color **31, 1.539, 74.723** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **31, 1.528, 256.179**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 1.909, 84.830**, and **11, 1.537, 90.204** is the 20% darker color. If you saturate the color by 10%, you get **30, 4.512, 73.739**, and if you desaturate by 10%, it is **32, 1.317, 256.100**.

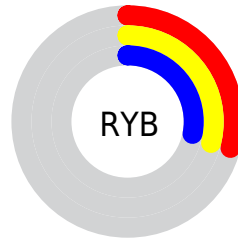
Distribution



Red (29%)

Green (29%)

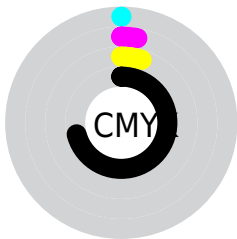
Blue (28%)



Red (29%)

Yellow (29%)

Blue (28%)

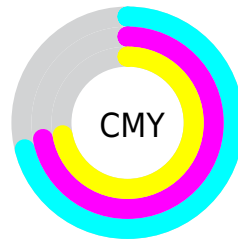


Cyan (0%)

Magenta (3%)

Yellow (5%)

Black (71%)



Cyan (71%)

Magenta (72%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 1.539, 74.723 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, 1.539, 74.723 by changing the saturation by 10% instead.

■ 31, 1.539, 74.723 ■ 31, 1.539, 74.723

100, 1.539, 74.723 ■ 21, 1.539, 74.723

■ 51, 1.539, 74.723 ■ 11, 1.539, 74.723

■ 61, 1.539, 74.723 ■ 1, 1.539, 74.723

■ 71, 1.539, 74.723 ■ 0, 1.539, 74.723

■ 81, 1.539, 74.723

■ 91, 1.539, 74.723

■ 31, 1.539, 74.723 ■ 31, 1.539, 74.723

■ 30, 4.512, 73.739 ■ 32, 1.317, 256.100

■ 28, 7.610, 72.636 ■ 34, 4.067, 257.061

27, 10.841, 71.513

35, 6.722, 258.067

26, 14.204, 70.379

37, 9.291, 259.050

24, 17.691, 69.233

38, 11.783,
260.000

23, 21.270, 68.065

39, 14.206,
260.915

22, 24.873, 66.841

21, 28.095, 65.235

41, 16.568,
261.794

20, 30.651, 63.186

42, 18.874,
262.635

44, 21.131,
263.440

Harmonies

Complementary

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



31, 1.539, 74.723



31, 1.528, 256.179

Rectangle

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



31, 1.539, 74.723



31, 1.539, 124.723



31, 1.539, 254.723



31, 1.539, 304.723

Sweetspot

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



31, 1.539, 74.763



41, 0.707, 74.931



30, 2.184, 343.952



20, 0.396, 74.917



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, 1.539, 74.763



40, 2.146, 74.685



32, 2.525, 109.707



15, 1.148, 74.698



27, 42.516, 62.534



61, 78.931, 60.054

Inverse Universe

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



31, 1.528, 256.179



40, 2.124, 256.265



30, 2.560, 290.666



15, 1.137, 256.251



21, 34.917, 281.319



49, 67.680, 284.786

Previews

White Background



This preview shows how the CIELCh color 31, 1.539, 74.723 looks on a white background.

Color Contrast Check

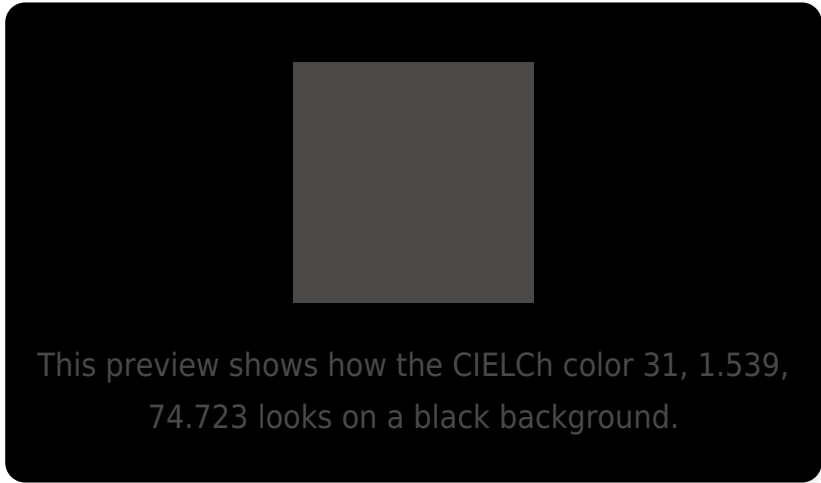
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

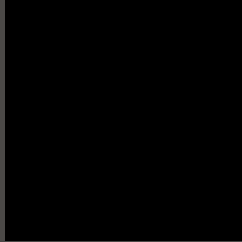
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

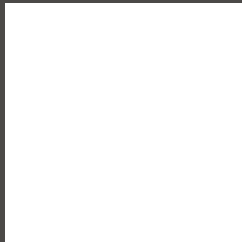
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 1.539, 74.723

Background



This preview shows how black text looks on a background with the CIELCh color 31, 1.539, 74.723.



This preview shows how white text looks on a background with the CIELCh color 31, 1.539, 74.723.

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, 1.539, 74.723

Protanopia

31, 1.539, 74.723

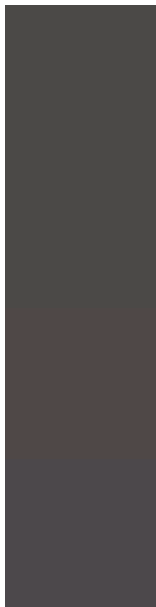
Deuteranopia

31, 4.491, 20.072



Tritanopia
31, 3.644, 319.040

Trichromacy



Original Color
31, 1.539, 74.723

Protanomaly
31, 1.539, 74.723

Deuteranomaly
31, 3.193, 31.229

Tritanomaly
31, 2.604, 332.582

Monochromacy



Original Color
31, 1.539, 74.723

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 0.765, 74.892

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 1.539, 74.723 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(75, 73, 71)` looks like.

```
.text, #text, p{  
    color:rgb(75, 73, 71)  
}
```

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(75, 73, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 73, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 1.539, 74.723 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(75, 73, 71) }
```

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

```
.border{ border-color:rgb(75, 73, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 73, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 73, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 73, 71);  
box-shadow:4px 4px 4px 4px rgb(75, 73, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 1.539, 74.723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 73, 71) }
```

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

```
.background{ background-color: rgb(75, 73,  
71) }
```

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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