

Converting Colors

CIELCh(31, 4.755, 38.732)

Have a look what the booklet for
CIELCh(31, 4.755, 38.732) contains.

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Color

CIELCh(31, 4.939, 42.589)

Conversions

Conversions Part 1

Format	Color
Hex	514744
RGB	81, 71, 68
RGB Percent	32%, 28%, 27%
CMY	0.6828, 0.7220, 0.7338
CMYK	0.00, 0.12, 0.16, 0.68
HSL	14°, 9%, 29%
HSV	14°, 16%, 32%
XYZ	6.6686, 6.6515, 6.3826
YIQ	73.6480, 6.9230, 1.1870

Conversions

Conversions Part 2

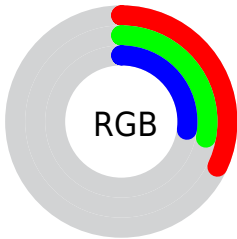
Format	Color
R_{YB}	81, 72, 68
Decimal	5326660
CIE Lab	31.00, 3.64, 3.34
CIE LCh	31, 4.939, 42.589
Yxy	6.6515, 0.3385, 0.3376
Android (android.graphics.Color)	4283516740 (0xFF514744)
YUV	73.6480, -2.7845, 6.4477
Hunter-Lab	25.7905, 1.0212, 3.3802

Details

The CIELCh color $[31, 4.939, 42.589]$ is a dark color, and the websafe version is hex `333333`. A complement of this color would be $[32, 4.510, 223.871]$, and the grayscale version is $[31, 0.005, 296.813]$.

A 20% lighter version of the original color is $[51, 4.850, 40.806]$, and $[11, 4.843, 47.031]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 8.316, 42.440]$, and if you desaturate by 10%, it is $[33, 1.798, 42.772]$.

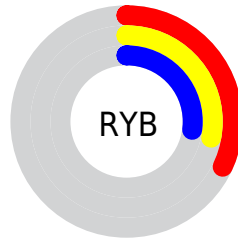
Distribution



Red (32%)

Green (28%)

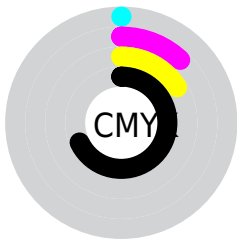
Blue (27%)



Red (32%)

Yellow (28%)

Blue (27%)

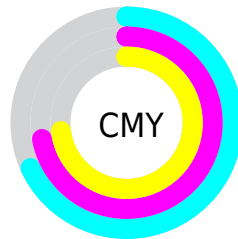


Cyan (0%)

Magenta (12%)

Yellow (16%)

Black (68%)



Cyan (68%)

Magenta (72%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 4.939, 42.589 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, 4.939, 42.589 by changing the saturation by 10% instead.

 31, 4.939, 42.589  31, 4.939, 42.589

 100, 4.939, 42.589  21, 4.939, 42.589

 51, 4.939, 42.589  11, 4.939, 42.589

 61, 4.939, 42.589  1, 4.939, 42.589

 71, 4.939, 42.589  0, 4.939, 42.589

 81, 4.939, 42.589

 91, 4.939, 42.589

 31, 4.939, 42.589  31, 4.939, 42.589

 29, 8.316, 42.440  33, 1.798, 42.772

 27, 11.947, 42.366  35, 1.127, 223.503

■ 25, 15.841, 42.416

■ 37, 3.856, 223.702

■ 23, 19.997, 42.612

■ 40, 6.411, 224.079

■ 21, 24.390, 42.971

■ 42, 8.810, 224.495

■ 20, 28.957, 43.479

■ 44, 11.071,
224.929

■ 18, 33.040, 43.121

■ 46, 13.211,
225.372

■ 17, 36.353, 42.068

■ 16, 37.601, 41.868

■ 48, 15.243,
225.818

■ 50, 17.179,
226.263

Harmonies

Complementary

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



31, 4.939, 42.589



32, 4.510, 223.871

Rectangle

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



31, 4.939, 42.589



31, 4.939, 92.589



31, 4.939, 222.589



31, 4.939, 272.589

Sweetspot

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



31, 4.939, 42.603



43, 1.825, 42.772



30, 8.626, 332.028



22, 1.257, 42.773



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



31, 4.939, 42.603



39, 7.317, 42.537



33, 6.076, 93.127



15, 1.684, 42.742



22, 47.960, 43.859



52, 91.618, 44.140

Inverse Universe

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



32, 4.510, 223.871



41, 6.534, 224.066



30, 6.109, 276.863



16, 1.607, 223.562



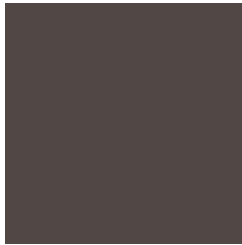
31, 23.083, 239.695



68, 41.923, 242.948

Previews

White Background



This preview shows how the CIELCh color 31, 4.939, 42.589 looks on a white background.

Color Contrast Check

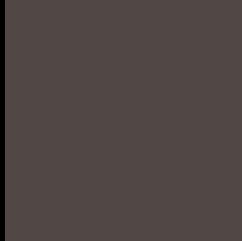
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 31, 4.939, 42.589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

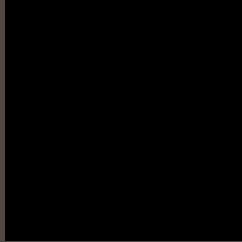
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 4.939, 42.589

Background



This preview shows how black text looks on a background with the CIELCh color 31, 4.939, 42.589.

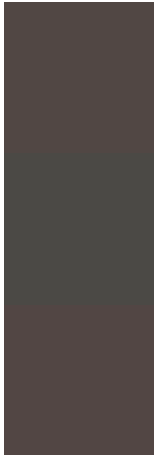


This preview shows how white text looks on a background with the CIELCh color 31, 4.939, 42.589.

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, 4.939, 42.589

Protanopia

31, 2.682, 90.195

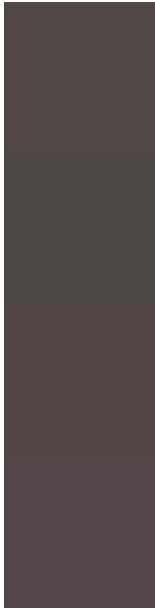
Deuteranopia

31, 5.624, 33.198



Tritanopia
31, 6.186, 349.586

Trichromacy



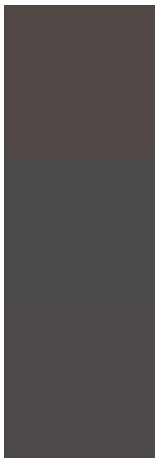
Original Color
31, 4.939, 42.589

Protanomaly
31, 2.939, 59.892

Deuteranomaly
31, 5.624, 33.198

Tritanomaly
31, 5.521, 7.034

Monochromacy



Original Color
31, 4.939, 42.589

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 1.878, 39.215

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 4.939, 42.589 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(81, 71, 68)` looks like.

```
.text, #text, p{  
    color:rgb(81, 71, 68)  
}
```

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(81, 71, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 71, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 4.939, 42.589 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(81, 71, 68) }
```

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

```
.border{ border-color:rgb(81, 71, 68) }
```

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

Here you see how a box with a 4 pixel rgb(81, 71, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 71, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 71, 68);  
box-shadow:4px 4px 4px 4px rgb(81, 71, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 4.939, 42.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 71, 68) }
```

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

```
.background{ background-color: rgb(81, 71,  
68) }
```

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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