

Converting Colors

CIELCh(31, 39.242, 149.781)

Have a look what the booklet for
CIELCh(31, 39.242, 149.781)
contains.

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Color

CIELCh(31, 39.473, 149.586)

Conversions

Conversions Part 1

Format	Color
Hex	015528
RGB	1, 85, 40
RGB Percent	0%, 33%, 16%
CMY	0.9963, 0.6668, 0.8432
CMYK	0.99, 0.00, 0.53, 0.67
HSL	148°, 98%, 17%
HSV	148°, 99%, 33%
XYZ	3.6406, 6.6515, 3.0971
YIQ	54.7540, -35.6190, -31.8030

Conversions

Conversions Part 2

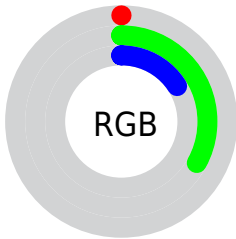
Format	Color
R_YB	1, 58, 85
Decimal	87336
CIE Lab	31.00, -34.04, 19.98
CIE LCh	31, 39.473, 149.586
Yxy	6.6515, 0.2719, 0.4968
Android (android.graphics.Color)	4278277416 (0xFF015528)
YUV	54.7540, -7.2737, -47.1423
Hunter-Lab	25.7905, -19.9360, 10.9333

Details

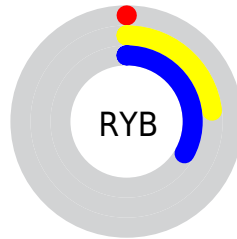
The CIELCh color **31, 39.473, 149.586** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **16, 38.573, 355.194**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 39.634, 149.337**, and **12, 29.257, 142.684** is the 20% darker color. If you saturate the color by 10%, you get **31, 39.797, 149.418**, and if you desaturate by 10%, it is **31, 36.578, 151.251**.

Distribution



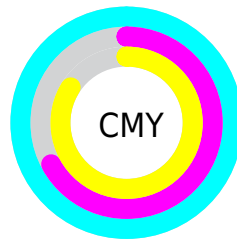
- Red (0%)
- Green (33%)
- Blue (16%)



- Red (0%)
- Yellow (23%)
- Blue (33%)



- Cyan (99%)
- Magenta (0%)
- Yellow (53%)
- Black (67%)





- Cyan (100%)
- Magenta (67%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 39.473, 149.586 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, 39.473, 149.586 by changing the saturation by 10% instead.


 31, 39.473,
149.586


 31, 39.473,
149.586

 100, 39.473,
149.586


 21, 39.473,
149.586

 51, 39.473,
149.586


 11, 39.473,
149.586


 61, 39.473,
149.586

 1, 39.473, 149.586

 71, 39.473,
149.586

 0, 39.473, 149.586

 81, 39.473,
149.586

 91, 39.473,
149.586

■ 31, 39.473,
149.586

■ 31, 39.473,
149.586

■ 31, 39.797,
149.418

■ 31, 36.578,
151.251

■ 31, 33.508,
153.024

■ 32, 30.054,
154.620

■ 32, 26.250,
156.044

■ 33, 22.151,
157.310

■ 33, 17.823,
158.436

■ 34, 13.332,
159.441

■ 35, 8.742, 160.346

Harmonies

Complementary

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



31, 39.473, 149.586



16, 38.573, 355.194

Rectangle

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



31, 39.473, 149.586



31, 39.473, 199.586



31, 39.473, 329.586



31, 39.473, 19.586

Sweetspot

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



31, 39.473, 149.586



43, 17.074, 159.238



32, 47.301, 124.973



22, 11.724, 158.985



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



31, 39.473, 149.586



40, 48.356, 148.605



32, 23.289, 189.608



17, 2.632, 161.187



39, 47.490, 148.673



82, 87.336, 147.054

Inverse Universe

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



16, 38.573, 355.194



22, 46.155, 356.702



15, 41.892, 31.156



16, 2.658, 342.379



22, 45.410, 356.594



51, 80.029, 359.319

Previews

White Background



This preview shows how the CIELCh color 31, 39.473, 149.586 looks on a white background.

Color Contrast Check

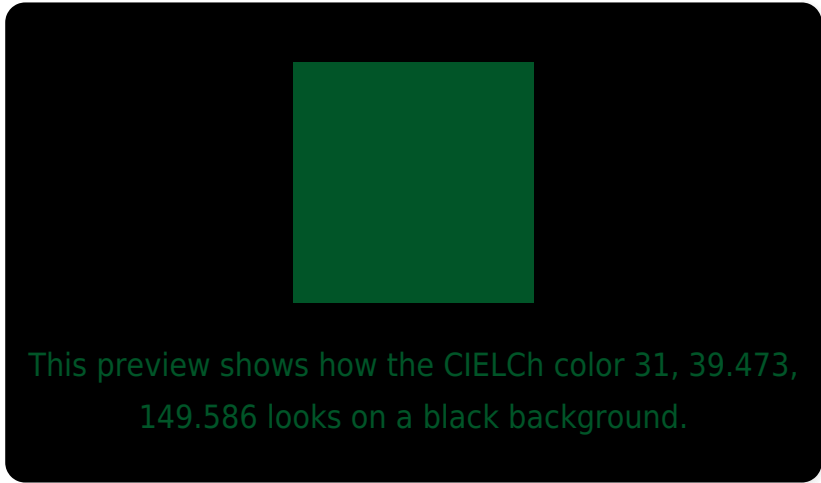
Large Text (above 18pt) WCAG AA ✓ Pass

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, 39.473, 149.586

Background



This preview shows how black text looks on a background with the CIELCh color 31, 39.473, 149.586.



This preview shows how white text looks on a background with the CIELCh color 31, 39.473, 149.586.

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, 39.473, 149.586

Protanopia

31, 23.303, 95.822

Deuteranopia

31, 19.193, 77.142



Tritanopia
31, 16.213, 211.045

Trichromacy



Original Color
31, 39.473, 149.586

Protanomaly
30, 27.394, 131.088

Deuteranomaly
30, 21.781, 129.449

Tritanomaly
31, 22.854, 174.844

Monochromacy



Original Color
31, 39.473, 149.586

Achromatopsia
23, 0.004, 296.813

Achromatomaly
25, 17.061, 158.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 39.473, 149.586 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(1, 85, 40)` looks like.

```
.text, #text, p{  
    color:rgb(1, 85, 40)  
}
```

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(1, 85, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 85, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 39.473, 149.586 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(1, 85, 40) }
```

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

```
.border{ border-color:rgb(1, 85, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 85, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 85, 40); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 85, 40); box-shadow:4px  
4px 4px 4px rgb(1, 85, 40) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 39.473, 149.586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 85, 40) }
```

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

```
.background{ background-color: rgb(1, 85,  
40) }
```

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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