

Converting Colors

CIELCh(31, 38.142, 151.988)

Have a look what the booklet for
CIELCh(31, 38.142, 151.988)
contains.

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Color

CIELCh(31, 38.216, 151.449)

Conversions

Conversions Part 1

Format	Color
Hex	00552B
RGB	0, 85, 43
RGB Percent	0%, 33%, 17%
CMY	1.0000, 0.6671, 0.8318
CMYK	1.00, 0.00, 0.49, 0.67
HSL	150°, 100%, 17%
HSV	150°, 100%, 33%
XYZ	3.6713, 6.6515, 3.3660
YIQ	54.7970, -37.1780, -31.0820

Conversions

Conversions Part 2

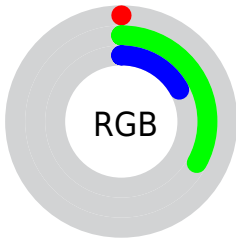
Format	Color
RYB	0, 56, 85
Decimal	21803
CIELab	31.00, -33.57, 18.26
CIElCh	31, 38.216, 151.449
Yxy	6.6515, 0.2682, 0.4859
Android (android.graphics.Color)	4278211883 (0xFF00552B)
YUV	54.7970, -5.8159, -48.0570
Hunter-Lab	25.7905, -19.7235, 10.3152

Details

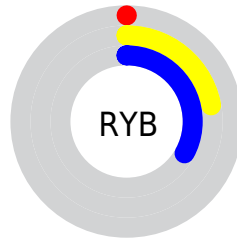
The CIELCh color **31, 38.216, 151.449** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **16, 38.331, 358.865**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 38.535, 151.241**, and **12, 29.257, 142.684** is the 20% darker color. If you saturate the color by 10%, you get **31, 38.198, 151.426**, and if you desaturate by 10%, it is **31, 35.445, 153.075**.

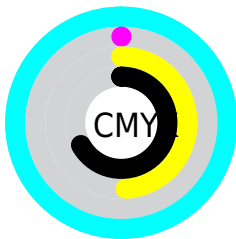
Distribution



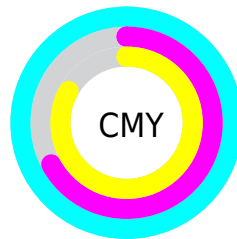
- Red (0%)
- Green (33%)
- Blue (17%)



- Red (0%)
- Yellow (22%)
- Blue (33%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (67%)




- Cyan (100%)
- Magenta (67%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 38.216, 151.449 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, 38.216, 151.449 by changing the saturation by 10% instead.

 31, 38.216,
151.449

 31, 38.216,
151.449

 100, 38.216,
151.449

 21, 38.216,
151.449

 51, 38.216,
151.449


 11, 38.216,
151.449


 61, 38.216,
151.449

 1, 38.216, 151.449

 71, 38.216,
151.449

 0, 38.216, 151.449

 81, 38.216,
151.449

 91, 38.216,
151.449

■ 31, 38.216,
151.449

■ 31, 38.216,
151.449

■ 31, 38.198,
151.426

■ 31, 35.445,
153.075

■ 31, 32.573,
154.869

■ 32, 29.329,
156.492

■ 32, 25.735,
157.943

■ 33, 21.841,
159.236

■ 33, 17.706,
160.389

■ 34, 13.396,
161.424

■ 34, 8.971, 162.359

Harmonies

Complementary

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



31, 38.216, 151.449



16, 38.331, 358.865

Rectangle

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



31, 38.216, 151.449



31, 38.216, 201.449



31, 38.216, 331.449



31, 38.216, 21.449

Sweetspot

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



31, 38.198, 151.426



43, 16.536, 161.326



32, 48.385, 126.719



22, 11.350, 161.068



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, 38.198, 151.426



40, 46.426, 150.604



32, 22.508, 196.386



17, 2.556, 163.324



39, 45.596, 150.672



82, 83.791, 149.036

Inverse Universe

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



16, 38.331, 358.865



22, 45.664, 0.305



15, 42.987, 33.177



16, 2.585, 344.557



22, 44.922, 0.183



51, 79.424, 3.244

Previews

White Background



This preview shows how the CIELCh color 31, 38.216, 151.449 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, 38.216, 151.449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

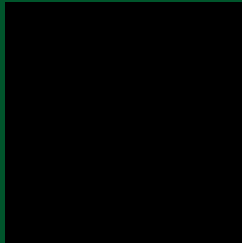
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 38.216, 151.449

Background



This preview shows how black text looks on a background with the CIELCh color 31, 38.216, 151.449.



This preview shows how white text looks on a background with the CIELCh color 31, 38.216, 151.449.

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, 38.216, 151.449

Protanopia

31, 21.569, 95.417

Deuteranopia

31, 17.266, 76.075



Tritanopia
31, 16.460, 213.157

Trichromacy



Original Color
31, 38.216, 151.449

Protanomaly
30, 25.813, 132.831

Deuteranomaly
30, 20.312, 132.657

Tritanomaly
31, 22.351, 177.876

Monochromacy



Original Color
31, 38.216, 151.449

Achromatopsia
23, 0.004, 296.813

Achromatomaly
25, 16.612, 160.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 38.216, 151.449 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(0, 85, 43)` looks like.

```
.text, #text, p{  
    color:rgb(0, 85, 43)  
}
```

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(0, 85, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 85, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 38.216, 151.449 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(0, 85, 43) }
```

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

```
.border{ border-color:rgb(0, 85, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 85, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 85, 43); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 85, 43); box-shadow:4px  
4px 4px 4px rgb(0, 85, 43) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 38.216, 151.449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 85, 43) }
```

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

```
.background{ background-color: rgb(0, 85,  
43) }
```

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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