

Converting Colors

CIELCh(31, 37.767, 151.691)

Have a look what the booklet for
CIELCh(31, 37.767, 151.691)
contains.

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Color

CIELCh(31, 37.662, 151.938)

Conversions

Conversions Part 1

Format	Color
Hex	01552C
RGB	1, 85, 44
RGB Percent	0%, 33%, 17%
CMY	0.9973, 0.6674, 0.8281
CMYK	0.99, 0.00, 0.48, 0.67
HSL	151°, 98%, 17%
HSV	151°, 99%, 33%
XYZ	3.6932, 6.6515, 3.4549
YIQ	55.2100, -36.9030, -30.5590

Conversions

Conversions Part 2

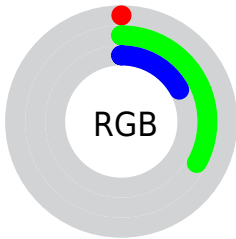
Format	Color
R_{YB}	1, 57, 85
Decimal	87340
CIE _{Lab}	31.00, -33.23, 17.72
CIE _{LCh}	31, 37.662, 151.938
Yxy	6.6515, 0.2676, 0.4820
Android (android.graphics.Color)	4278277420 (0xFF01552C)
YUV	55.2100, -5.5265, -47.5422
Hunter-Lab	25.7905, -19.5725, 10.1108

Details

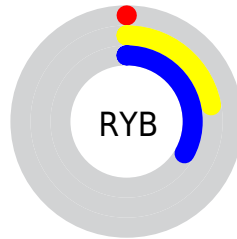
The CIELCh color **31, 37.662, 151.938** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **16, 38.055, 359.309**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 38.103, 151.808**, and **12, 29.257, 142.684** is the 20% darker color. If you saturate the color by 10%, you get **31, 37.882, 151.816**, and if you desaturate by 10%, it is **31, 34.939, 153.612**.

Distribution



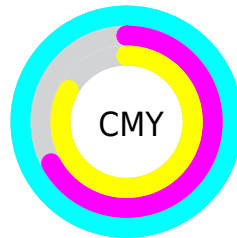
- Red (0%)
- Green (33%)
- Blue (17%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (48%)
- Black (67%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 37.662, 151.938 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, 37.662, 151.938 by changing the saturation by 10% instead.


 31, 37.662,
151.938


 31, 37.662,
151.938

 100, 37.662,
151.938


 21, 37.662,
151.938

 51, 37.662,
151.938


 11, 37.662,
151.938


 61, 37.662,
151.938

 1, 37.662, 151.938

 71, 37.662,
151.938

 0, 37.662, 151.938

 81, 37.662,
151.938

 91, 37.662,
151.938

■ 31, 37.662,
151.938

■ 31, 37.662,
151.938

■ 31, 37.882,
151.816

■ 31, 34.939,
153.612

■ 31, 32.073,
155.398

■ 32, 28.832,
157.006

■ 32, 25.246,
158.444

■ 33, 21.364,
159.726

■ 33, 17.246,
160.871

■ 34, 12.957,
161.900

■ 34, 8.557, 162.831

Harmonies

Complementary

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



31, 37.662, 151.938



16, 38.055, 359.309

Rectangle

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



31, 37.662, 151.938



31, 37.662, 201.938



31, 37.662, 331.938



31, 37.662, 21.938

Sweetspot

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



31, 37.662, 151.938



43, 16.439, 161.722



32, 48.073, 126.722



22, 11.283, 161.463



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, 37.662, 151.938



40, 46.070, 150.990



32, 22.426, 196.395



17, 2.542, 163.729



39, 45.247, 151.058



82, 83.135, 149.419

Inverse Universe

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



16, 38.055, 359.309



22, 45.598, 0.977



15, 42.685, 33.128



16, 2.572, 344.970



22, 44.856, 0.853



50, 79.361, 3.973

Previews

White Background



This preview shows how the CIELCh color 31, 37.662, 151.938 looks on a white background.

Color Contrast Check

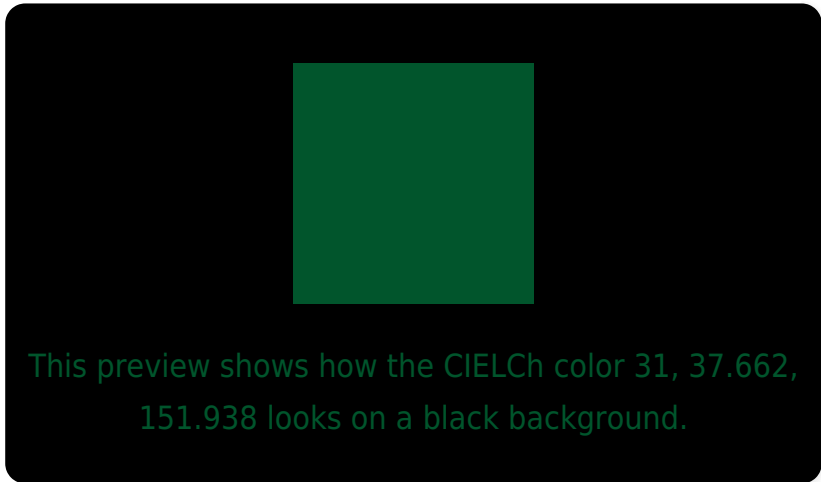
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37.662, 151.938

Background



This preview shows how black text looks on a background with the CIELCh color 31, 37.662, 151.938.



This preview shows how white text looks on a background with the CIELCh color 31, 37.662, 151.938.

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, 37.662, 151.938

Protanopia

31, 20.985, 95.254

Deuteranopia

31, 16.718, 75.163



Tritanopia
31, 16.460, 213.157

Trichromacy



Original Color
31, 37.662, 151.938

Protanomaly
30, 25.282, 133.457

Deuteranomaly
30, 20.312, 132.657

Tritanomaly
31, 22.181, 177.757

Monochromacy



Original Color
31, 37.662, 151.938

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, 37.662, 151.938 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, 44)` looks like.

```
.text, #text, p{  
    color:rgb(1, 85, 44)  
}
```

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, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 85, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 37.662, 151.938 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, 44) }
```

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

```
.border{ border-color:rgb(1, 85, 44) }
```

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, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 85, 44); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 85, 44); box-shadow:4px  
4px 4px 4px rgb(1, 85, 44) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 37.662, 151.938 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, 44) }
```

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

```
.background{ background-color: rgb(1, 85,  
44) }
```

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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