

Converting Colors

CIELCh(31, 37.035, 152.909)

Have a look what the booklet for
CIELCh(31, 37.035, 152.909)
contains.

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Color

CIELCh(31, 37.307, 152.682)

Conversions

Conversions Part 1

Format	Color
Hex	00552D
RGB	0, 85, 45
RGB Percent	0%, 33%, 18%
CMY	1.0000, 0.6674, 0.8242
CMYK	1.00, 0.00, 0.47, 0.67
HSL	152°, 100%, 17%
HSV	152°, 100%, 33%
XYZ	3.6989, 6.6515, 3.5534
YIQ	55.0250, -37.8200, -30.4600

Conversions

Conversions Part 2

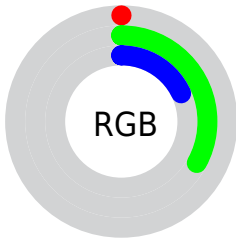
Format	Color
RYB	0, 56, 85
Decimal	21805
CIELab	31.00, -33.15, 17.12
CIELCh	31, 37.307, 152.682
Yxy	6.6515, 0.2660, 0.4784
Android (android.graphics.Color)	4278211885 (0xFF00552D)
YUV	55.0250, -4.9423, -48.2569
Hunter-Lab	25.7905, -19.5325, 9.8844

Details

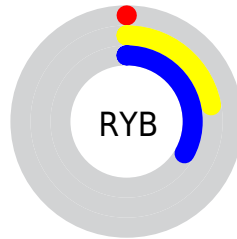
The CIELCh color **31, 37.307, 152.682** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **16, 38.117, 0.860**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 37.672, 152.388**, and **12, 29.257, 142.684** is the 20% darker color. If you saturate the color by 10%, you get **31, 37.275, 152.644**, and if you desaturate by 10%, it is **31, 34.609, 154.298**.

Distribution



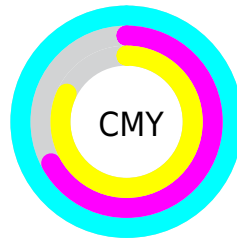
- Red (0%)
- Green (33%)
- Blue (18%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (67%)





- Cyan (100%)
- Magenta (67%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 37.307, 152.682 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, 37.307, 152.682 by changing the saturation by 10% instead.


 31, 37.307,
152.682


 31, 37.307,
152.682

 100, 37.307,
152.682


 21, 37.307,
152.682

 51, 37.307,
152.682


 11, 37.307,
152.682


 61, 37.307,
152.682

 1, 37.307, 152.682

 71, 37.307,
152.682

 0, 37.307, 152.682

 81, 37.307,
152.682

 91, 37.307,
152.682

■ 31, 37.307,
152.682

■ 31, 37.307,
152.682

■ 31, 37.275,
152.644

■ 31, 34.609,
154.298

■ 31, 31.833,
156.093

■ 32, 28.687,
157.716

■ 32, 25.194,
159.168

■ 33, 21.399,
160.464

■ 33, 17.362,
161.624

■ 34, 13.145,
162.666

■ 34, 8.810, 163.611

Harmonies

Complementary

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



31, 37.307, 152.682



16, 38.117, 0.860

Rectangle

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



31, 37.307, 152.682



31, 37.307, 202.682



31, 37.307, 332.682



31, 37.307, 22.682

Sweetspot

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



31, 37.275, 152.644



43, 16.240, 162.567



32, 48.596, 127.262



22, 11.145, 162.307



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, 37.275, 152.644



40, 45.323, 151.817



32, 22.007, 198.806



17, 2.514, 164.592



39, 44.515, 151.885



82, 81.755, 150.244

Inverse Universe

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



16, 38.117, 0.860



22, 45.483, 2.397



15, 42.667, 33.746



16, 2.546, 345.847



21, 44.740, 2.267



50, 79.279, 5.509

Previews

White Background



This preview shows how the CIELCh color 31, 37.307, 152.682 looks on a white background.

Color Contrast Check

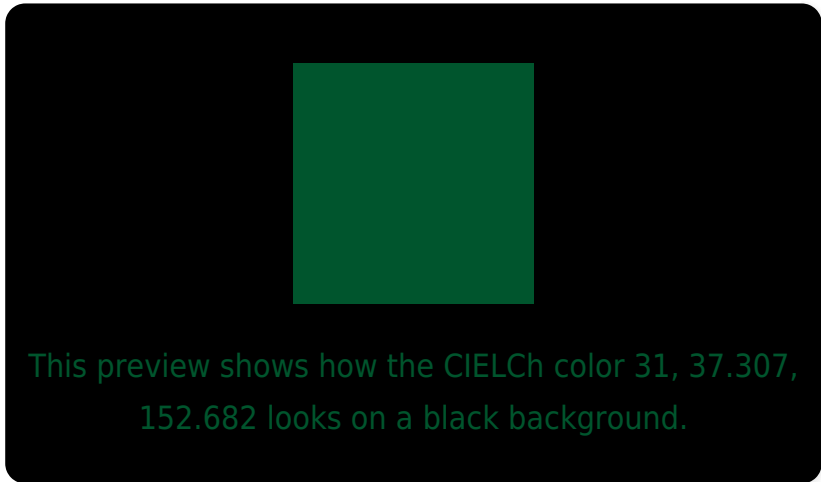
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37.307, 152.682

Background



This preview shows how black text looks on a background with the CIELCh color 31, 37.307, 152.682.



This preview shows how white text looks on a background with the CIELCh color 31, 37.307, 152.682.

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, 37.307, 152.682

Protanopia

31, 20.295, 96.468

Deuteranopia

31, 16.718, 75.163



Tritanopia
31, 16.460, 213.157

Trichromacy



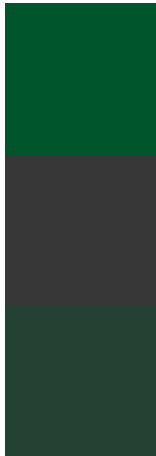
Original Color
31, 37.307, 152.682

Protanomaly
30, 24.967, 134.933

Deuteranomaly
30, 19.758, 133.450

Tritanomaly
31, 22.032, 179.385

Monochromacy



Original Color
31, 37.307, 152.682

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, 37.307, 152.682 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, 45)` looks like.

```
.text, #text, p{  
    color:rgb(0, 85, 45)  
}
```

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, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 85, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 37.307, 152.682 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, 45) }
```

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

```
.border{ border-color:rgb(0, 85, 45) }
```

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, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 85, 45); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 85, 45); box-shadow:4px  
4px 4px 4px rgb(0, 85, 45) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 37.307, 152.682 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, 45) }
```

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

```
.background{ background-color: rgb(0, 85,  
45) }
```

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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