

Converting Colors

CIELCh(31, 34.092, 157.256)

Have a look what the booklet for
CIELCh(31, 34.092, 157.256)
contains.

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Color

CIELCh(31, 34.012, 157.260)

Conversions

Conversions Part 1

Format	Color
Hex	015433
RGB	1, 84, 51
RGB Percent	0%, 33%, 20%
CMY	0.9974, 0.6690, 0.7985
CMYK	0.99, 0.00, 0.39, 0.67
HSL	156°, 98%, 17%
HSV	156°, 99%, 33%
XYZ	3.8166, 6.6515, 4.2583
YIQ	55.4210, -38.8750, -27.8590

Conversions

Conversions Part 2

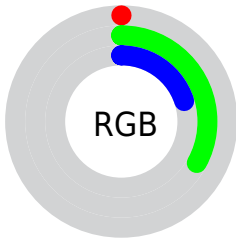
Format	Color
RYB	1, 53, 84
Decimal	87091
CIELab	31.00, -31.37, 13.15
CIELCh	31, 34.012, 157.260
Yxy	6.6515, 0.2592, 0.4517
Android (android.graphics.Color)	4278277171 (0xFF015433)
YUV	55.4210, -2.1796, -47.7272
Hunter-Lab	25.7905, -18.7181, 8.2640

Details

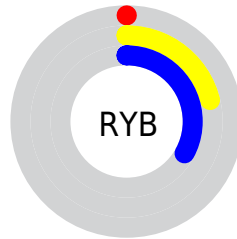
The CIELCh color **31, 34.012, 157.260** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **16, 37.569, 7.424**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 33.505, 157.592**, and **12, 26.353, 145.756** is the 20% darker color. If you saturate the color by 10%, you get **31, 34.199, 157.139**, and if you desaturate by 10%, it is **31, 31.662, 158.925**.

Distribution



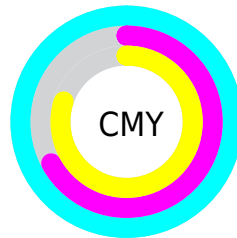
- Red (0%)
- Green (33%)
- Blue (20%)



- Red (0%)
- Yellow (21%)
- Blue (33%)



- Cyan (99%)
- Magenta (0%)
- Yellow (39%)
- Black (67%)





- Cyan (100%)
- Magenta (67%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 34.012, 157.260 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, 34.012, 157.260 by changing the saturation by 10% instead.


 31, 34.012,
157.260


 31, 34.012,
157.260

 100, 34.012,
157.260


 21, 34.012,
157.260

 51, 34.012,
157.260


 11, 34.012,
157.260


 61, 34.012,
157.260

 1, 34.012, 157.260

 71, 34.012,
157.260

 0, 34.012, 157.260

 81, 34.012,
157.260

 91, 34.012,
157.260

■ 31, 34.012,
157.260

■ 31, 34.012,
157.260

■ 31, 34.199,
157.139

■ 31, 31.662,
158.925

■ 31, 29.192,
160.687

■ 32, 26.355,
162.277

■ 32, 23.174,
163.704

■ 33, 19.689,
164.985

■ 33, 15.956,
166.141

■ 34, 12.032,
167.192

■ 34, 7.975, 168.156

Harmonies

Complementary

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



31, 34.012, 157.260



16, 37.569, 7.424

Rectangle

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



31, 34.012, 157.260



31, 34.012, 207.260



31, 34.012, 337.260



31, 34.012, 27.260

Sweetspot

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



31, 34.012, 157.260



44, 15.306, 167.009



31, 49.357, 129.724



22, 10.496, 166.744



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, 34.012, 157.260



40, 41.661, 156.308



29, 20.037, 212.568



17, 2.384, 169.102



39, 40.923, 156.375



82, 74.939, 154.745

Inverse Universe

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



16, 37.569, 7.424



22, 45.404, 9.492



16, 40.966, 36.543



16, 2.425, 350.420



21, 44.646, 9.341



50, 79.859, 13.096

Previews

White Background



This preview shows how the CIELCh color 31, 34.012, 157.260 looks on a white background.

Color Contrast Check

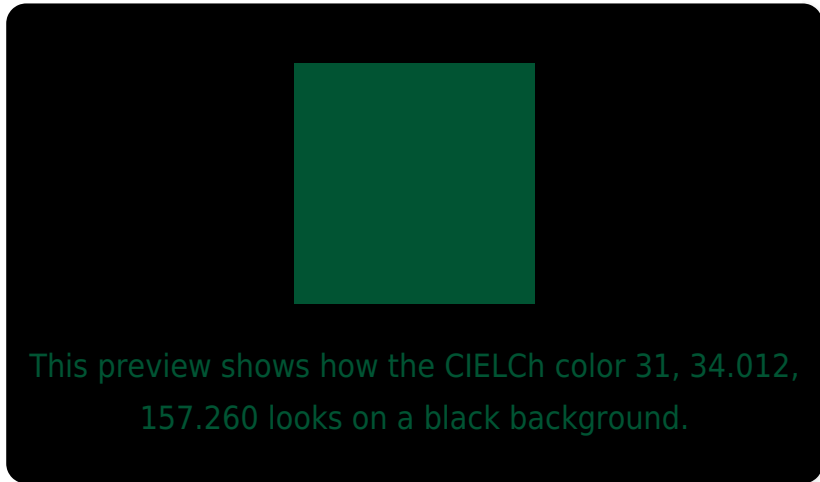
Large Text (above 18pt) WCAG AA ✓ Pass

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, 34.012, 157.260

Background



This preview shows how black text looks on a background with the CIELCh color 31, 34.012, 157.260.



This preview shows how white text looks on a background with the CIELCh color 31, 34.012, 157.260.

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, 33.908, 157.143

Protanopia
31, 16.709, 95.207

Deuteranopia
31, 12.383, 69.628



Tritanopia
31, 16.880, 212.701

Trichromacy



Original Color
31, 33.908, 157.143

Protanomaly
30, 21.266, 140.406

Deuteranomaly
30, 16.172, 141.593

Tritanomaly
31, 21.596, 182.611

Monochromacy



Original Color
31, 33.908, 157.143

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 15.035, 165.300

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 34.012, 157.260 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, 84, 51)` looks like.

```
.text, #text, p{  
    color:rgb(1, 84, 51)  
}
```

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, 84, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 84, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 34.012, 157.260 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, 84, 51) }
```

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

```
.border{ border-color:rgb(1, 84, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 84, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 84, 51); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 84, 51); box-shadow:4px  
4px 4px 4px rgb(1, 84, 51) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 34.012, 157.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 84, 51) }
```

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

```
.background{ background-color: rgb(1, 84,  
51) }
```

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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