

Converting Colors

CIELCh(31, 52.350, 137.744)

Have a look what the booklet for
CIELCh(31, 52.350, 137.744)
contains.

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Color

CIELCh(31, 52.277, 137.569)

Conversions

Conversions Part 1

Format	Color
Hex	005607
RGB	0, 86, 7
RGB Percent	0%, 34%, 3%
CMY	1.0000, 0.6632, 0.9730
CMYK	1.00, 0.00, 0.92, 0.66
HSL	125°, 100%, 17%
HSV	125°, 100%, 34%
XYZ	3.3540, 6.6515, 1.3044
YIQ	51.2800, -25.8970, -42.8010

Conversions

Conversions Part 2

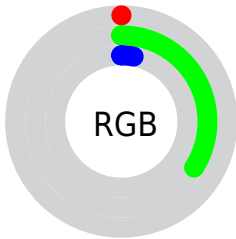
Format	Color
RYB	0, 80, 86
Decimal	22023
CIELab	31.00, -38.59, 35.27
CIELCh	31, 52.277, 137.569
Yxy	6.6515, 0.2966, 0.5881
Android (android.graphics.Color)	4278212103 (0xFF005607)
YUV	51.2800, -21.8300, -44.9726
Hunter-Lab	25.7905, -21.9196, 15.0546

Details

The CIELCh color **31, 52.277, 137.569** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **18, 49.372, 331.416**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 52.283, 137.745**, and **13, 29.984, 142.357** is the 20% darker color. If you saturate the color by 10%, you get **31, 52.259, 137.547**, and if you desaturate by 10%, it is **31, 49.315, 138.316**.

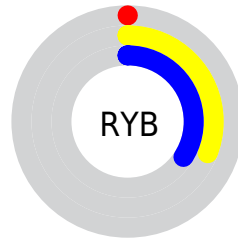
Distribution



Red (0%)

Green (34%)

Blue (3%)



Red (0%)

Yellow (31%)

Blue (34%)

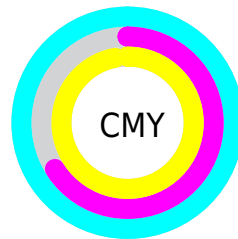


Cyan (100%)

Magenta (0%)

Yellow (92%)

Black (66%)



Cyan (100%)


Magenta (66%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 52.277, 137.569 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, 52.277, 137.569 by changing the saturation by 10% instead.


 31, 52.277,
137.569


 31, 52.277,
137.569

 100, 52.277,
137.569


 21, 52.277,
137.569

 51, 52.277,
137.569


 11, 52.277,
137.569


 61, 52.277,
137.569

 1, 52.277, 137.569

 71, 52.277,
137.569

 0, 52.277, 137.569

 81, 52.277,
137.569

 91, 52.277,
137.569

■ 31, 52.277,
137.569

■ 31, 52.277,
137.569

■ 31, 52.259,
137.547

■ 31, 49.315,
138.316

■ 31, 45.711,
139.477

■ 32, 41.291,
140.683

■ 32, 36.218,
141.849

■ 33, 30.656,
142.926

■ 33, 24.751,
143.894

■ 34, 18.635,
144.747

■ 35, 12.415,

145.492

■ 36, 6.179, 146.146

Harmonies

Complementary

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



31, 52.277, 137.569



18, 49.372, 331.416

Rectangle

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



31, 52.277, 137.569



31, 52.277, 187.569



31, 52.277, 317.569



31, 52.277, 7.569

Sweetspot

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



31, 52.259, 137.547



44, 23.228, 144.665



35, 44.004, 106.649



21, 15.665, 144.461



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, 52.259, 137.547



41, 63.585, 137.166



31, 36.151, 154.726



17, 3.482, 146.221



39, 61.432, 137.226



81, 110.994, 136.554

Inverse Universe

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



18, 49.372, 331.416



25, 59.406, 331.534



16, 38.260, 4.305



16, 3.489, 327.106



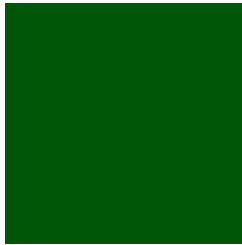
24, 57.497, 331.515



55, 101.800, 331.756

Previews

White Background



This preview shows how the CIELCh color 31, 52.277, 137.569 looks on a white background.

Color Contrast Check

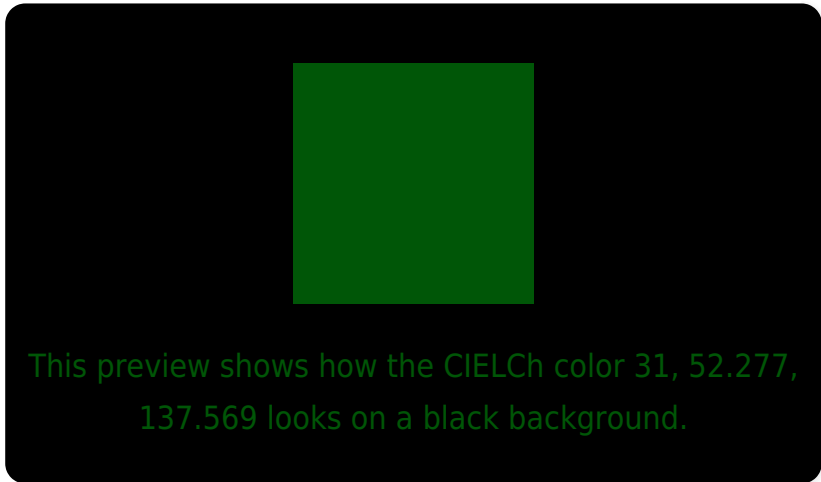
Large Text (above 18pt) WCAG AA ✓ Pass

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, 52.277, 137.569

Background



This preview shows how black text looks on a background with the CIELCh color 31, 52.277, 137.569.



This preview shows how white text looks on a background with the CIELCh color 31, 52.277, 137.569.

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, 52.277, 137.569

Protanopia

31, 39.950, 96.010

Deuteranopia

31, 32.466, 83.430



Tritanopia
31, 15.517, 211.761

Trichromacy



Original Color
31, 52.277, 137.569

Protanomaly
30, 42.139, 120.093

Deuteranomaly
30, 36.086, 117.467

Tritanomaly
31, 27.298, 160.147

Monochromacy



Original Color
31, 52.277, 137.569

Achromatopsia
21, 0.004, 296.813

Achromatomaly
24, 23.838, 143.546

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 52.277, 137.569 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, 86, 7)` looks like.

```
.text, #text, p{  
    color:rgb(0, 86, 7)  
}
```

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, 86, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 86, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 52.277, 137.569 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, 86, 7) }
```

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

```
.border{ border-color:rgb(0, 86, 7) }
```

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

Here you see how a box with a 4 pixel rgb(0, 86, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 86, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 86, 7); box-shadow:4px  
4px 4px 4px rgb(0, 86, 7) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 52.277, 137.569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 86, 7) }
```

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

```
.background{ background-color: rgb(0, 86,  
7) }
```

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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