

Converting Colors

CIELCh(34, 54.292, 137.157)

Have a look what the booklet for
CIELCh(34, 54.292, 137.157)
contains.

CIELCh(34, 54.604, 137.065)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(34, 54.604, 137.065)

Conversions

Conversions Part 1

Format	Color
Hex	075E0A
RGB	7, 94, 10
RGB Percent	3%, 37%, 4%
CMY	0.9717, 0.6328, 0.9626
CMYK	0.92, 0.00, 0.90, 0.63
HSL	122°, 86%, 20%
HSV	122°, 92%, 37%
XYZ	4.1130, 8.0082, 1.6025
YIQ	58.4110, -24.8880, -44.5680

Conversions

Conversions Part 2

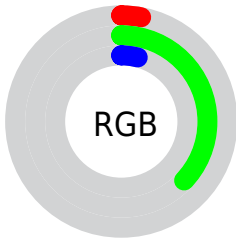
Format	Color
RYB	7, 91, 94
Decimal	482826
CIELab	34.00, -39.98, 37.19
CIElCh	34, 54.604, 137.065
Yxy	8.0082, 0.2997, 0.5835
Android (android.graphics.Color)	4278672906 (0xFF075E0A)
YUV	58.4110, -23.8666, -45.0874
Hunter-Lab	28.2988, -23.5794, 16.4518

Details

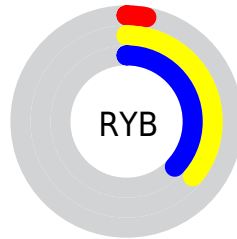
The CIELCh color **34, 54.604, 137.065** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **21, 52.540, 329.075**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 54.509, 137.063**, and **16, 34.389, 139.895** is the 20% darker color. If you saturate the color by 10%, you get **34, 56.909, 136.490**, and if you desaturate by 10%, it is **34, 51.267, 137.957**.

Distribution



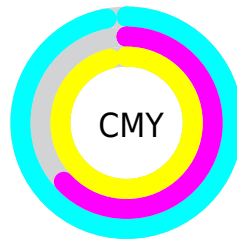
- Red (3%)
- Green (37%)
- Blue (4%)



- Red (3%)
- Yellow (36%)
- Blue (37%)



- Cyan (92%)
- Magenta (0%)
- Yellow (90%)
- Black (63%)





- Cyan (97%)
- Magenta (63%)
- Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 54.604, 137.065 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 34, 54.604, 137.065 by changing the saturation by 10% instead.


 34, 54.604,
137.065


 34, 54.604,
137.065

 100, 54.604,
137.065

 24, 54.604,
137.065

 54, 54.604,
137.065


 14, 54.604,
137.065

 64, 54.604,
137.065

 4, 54.604, 137.065

 74, 54.604,
137.065

 0, 54.604, 137.065

 84, 54.604,
137.065

 94, 54.604,
137.065

■ 34, 54.604,
137.065

■ 34, 54.604,
137.065

■ 34, 56.909,
136.490

■ 34, 51.267,
137.957

■ 34, 46.840,
139.021

■ 35, 41.523,
140.127

■ 35, 35.537,
141.195

■ 36, 29.083,
142.176

■ 37, 22.332,
143.052

■ 38, 15.424,
143.820

■ 38, 8.471, 144.489

Harmonies

Complementary

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



34, 54.604, 137.065



21, 52.540, 329.075

Rectangle

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



34, 54.604, 137.065



34, 54.604, 187.065



34, 54.604, 317.065



34, 54.604, 7.065

Sweetspot

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



34, 54.604, 137.066



48, 24.166, 143.325



38, 44.544, 104.085



24, 16.517, 143.091



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34, 54.604, 137.066



44, 68.982, 136.368



34, 38.488, 153.000



18, 3.793, 144.704



40, 63.702, 136.415



82, 112.941, 136.174

Inverse Universe

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



21, 52.540, 329.075



28, 65.792, 329.280



19, 39.250, 358.298



17, 3.799, 325.585



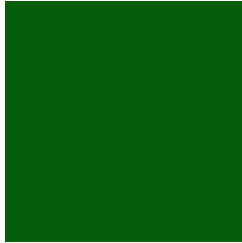
25, 60.840, 329.268



56, 107.097, 329.337

Previews

White Background



This preview shows how the CIELCh color 34, 54.604, 137.065 looks on a white background.

Color Contrast Check

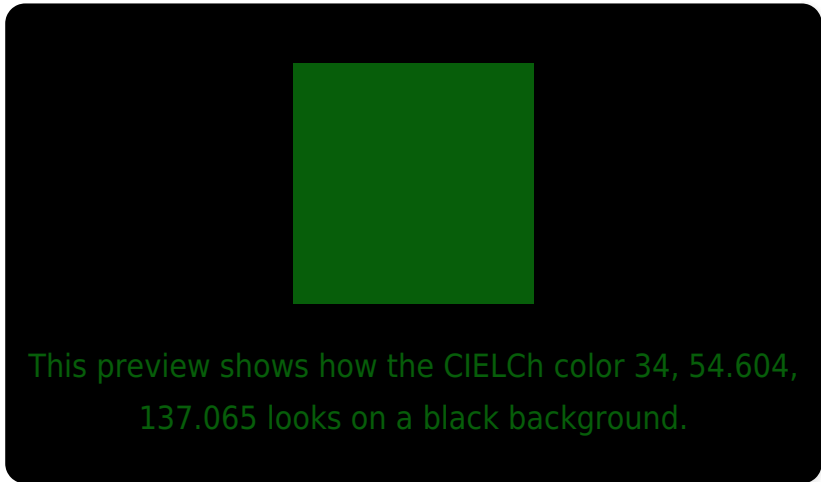
Large Text (above 18pt) WCAG AA ✓ Pass

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

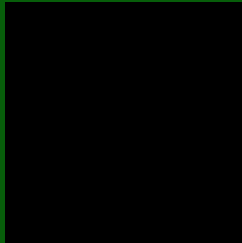
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 54.604, 137.065

Background



This preview shows how black text looks on a background with the CIELCh color 34, 54.604, 137.065.



This preview shows how white text looks on a background with the CIELCh color 34, 54.604, 137.065.

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

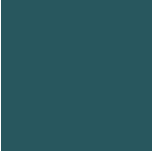
34, 54.680, 137.163

Protanopia

34, 41.785, 95.738

Deuteranopia

34, 34.592, 83.168



Tritanopia
34, 16.390, 213.094

Trichromacy



Original Color
34, 54.680, 137.163

Protanomaly
33, 44.270, 119.112

Deuteranomaly
32, 37.716, 115.988

Tritanomaly
33, 28.107, 160.400

Monochromacy



Original Color
34, 54.680, 137.163

Achromatopsia
24, 0.004, 296.813

Achromatomaly
27, 24.306, 141.517

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 54.604, 137.065 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(7, 94, 10)` looks like.

```
.text, #text, p{  
    color:rgb(7, 94, 10)  
}
```

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(7, 94, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 94, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 54.604, 137.065 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(7, 94, 10) }
```

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

```
.border{ border-color:rgb(7, 94, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 94, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 94, 10); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 94, 10); box-shadow:4px  
4px 4px 4px rgb(7, 94, 10) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 54.604, 137.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 94, 10) }
```

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

```
.background{ background-color: rgb(7, 94,  
10) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor