

Converting Colors

CIELCh(37, 59.372, 137.214)

Have a look what the booklet for
CIELCh(37, 59.372, 137.214)
contains.

CIELCh(37, 59.295, 137.267)	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(37, 59.295, 137.267)

Conversions

Conversions Part 1

Format	Color
Hex	006608
RGB	0, 102, 8
RGB Percent	0%, 40%, 3%
CMY	0.9993, 0.5997, 0.9682
CMYK	1.00, 0.00, 0.92, 0.60
HSL	125°, 100%, 20%
HSV	125°, 100%, 40%
XYZ	4.8062, 9.5379, 1.8206
YIQ	60.7860, -30.6180, -50.8580

Conversions

Conversions Part 2

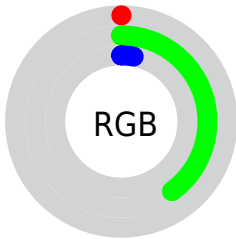
Format	Color
RYB	0, 95, 102
Decimal	26120
CIELab	37.00, -43.55, 40.24
CIELCh	37, 59.295, 137.267
Yxy	9.5379, 0.2973, 0.5900
Android (android.graphics.Color)	4278216200 (0xFF006608)
YUV	60.7860, -26.0235, -53.3093
Hunter-Lab	30.8835, -26.2674, 18.1232

Details

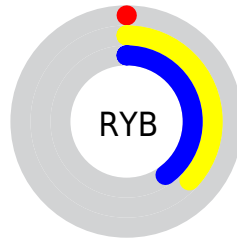
The CIELCh color **37, 59.295, 137.267** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **22, 55.652, 331.393**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 59.137, 137.366**, and **18, 37.921, 138.389** is the 20% darker color. If you saturate the color by 10%, you get **37, 59.344, 137.257**, and if you desaturate by 10%, it is **37, 56.305, 138.061**.

Distribution



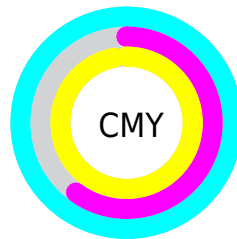
- Red (0%)
- Green (40%)
- Blue (3%)



- Red (0%)
- Yellow (37%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (92%)
- Black (60%)





- Cyan (100%)
- Magenta (60%)
- Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 59.295, 137.267 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 37, 59.295, 137.267 by changing the saturation by 10% instead.


 37, 59.295,
137.267

 37, 59.295,
137.267

 100, 59.295,
137.267

 27, 59.295,
137.267

 57, 59.295,
137.267

 17, 59.295,
137.267

 67, 59.295,
137.267

 7, 59.295, 137.267

 77, 59.295,
137.267

 0, 59.295, 137.267

 87, 59.295,
137.267

 97, 59.295,
137.267

■ 37, 59.295,
137.267

■ 37, 59.295,
137.267

■ 37, 59.344,
137.257

■ 37, 56.305,
138.061

■ 37, 52.346,
139.230

■ 38, 47.380,
140.458

■ 38, 41.613,
141.656

■ 39, 35.242,
142.767

■ 39, 28.450,
143.766

■ 40, 21.397,
144.645

■ 41, 14.215,

145.410

■ 42, 7.011, 146.080

Harmonies

Complementary

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



37, 59.295, 137.267



22, 55.652, 331.393

Rectangle

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



37, 59.295, 137.267



37, 59.295, 187.267



37, 59.295, 317.267



37, 59.295, 7.267

Sweetspot

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



37, 59.295, 137.268



52, 26.678, 144.559



41, 49.581, 106.738



26, 18.038, 144.309



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



37, 59.295, 137.268



48, 72.068, 136.943



38, 41.152, 154.189



21, 4.002, 146.137



42, 64.701, 137.108



84, 113.812, 136.520

Inverse Universe

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



22, 55.652, 331.393



30, 67.012, 331.497



20, 43.073, 5.400



20, 4.010, 327.060



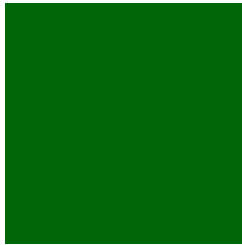
26, 60.454, 331.446



56, 104.467, 331.658

Previews

White Background



This preview shows how the CIELCh color 37, 59.295, 137.267 looks on a white background.

Color Contrast Check

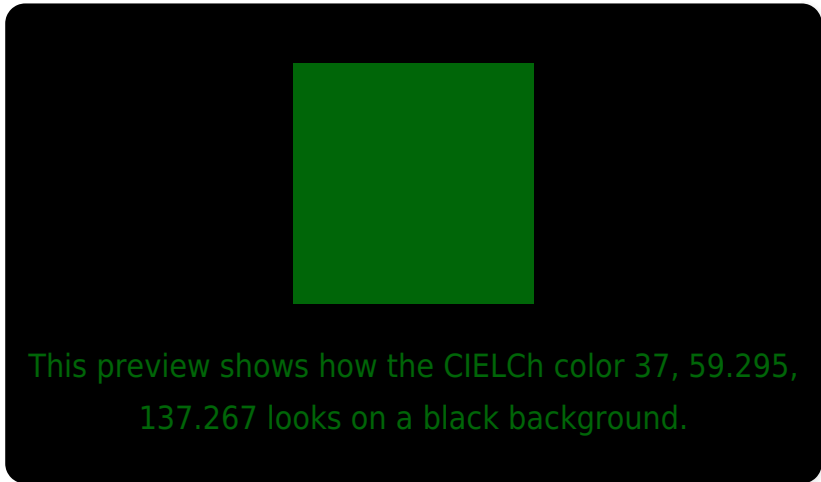
Large Text (above 18pt) WCAG AA ✓ Pass

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

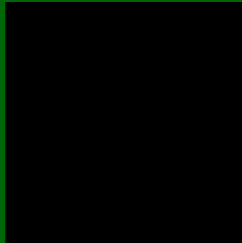
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 59.295, 137.267

Background



This preview shows how black text looks on a background with the CIELCh color 37, 59.295, 137.267.



This preview shows how white text looks on a background with the CIELCh color 37, 59.295, 137.267.

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
37, 59.295, 137.267

Protanopia
37, 44.652, 95.569

Deuteranopia
37, 37.744, 82.644



Tritanopia
37, 17.732, 213.726

Trichromacy



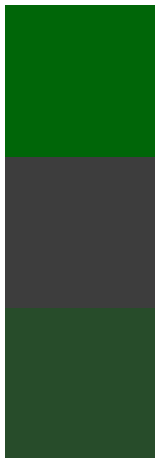
Original Color
37, 59.295, 137.267

Protanomaly
35, 47.719, 120.522

Deuteranomaly
35, 41.118, 117.429

Tritanomaly
37, 31.599, 159.861

Monochromacy



Original Color
37, 59.295, 137.267

Achromatopsia
26, 0.004, 296.813

Achromatomaly
29, 27.017, 143.177

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 59.295, 137.267 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, 102, 8)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 8)  
}
```

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, 102, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 59.295, 137.267 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, 102, 8) }
```

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

```
.border{ border-color:rgb(0, 102, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 102, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 102, 8); box-shadow:4px  
4px 4px 4px rgb(0, 102, 8) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 59.295, 137.267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 8) }
```

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

```
.background{ background-color: rgb(0, 102,  
8) }
```

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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