

Converting Colors

CIELCh(40, 63.547, 136.515)

Have a look what the booklet for
CIELCh(40, 63.547, 136.515)
contains.

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Color

CIELCh(40, 63.297, 136.550)

Conversions

Conversions Part 1

Format	Color
Hex	036E05
RGB	3, 110, 5
RGB Percent	1%, 43%, 2%
CMY	0.9891, 0.5674, 0.9787
CMYK	0.97, 0.00, 0.95, 0.57
HSL	121°, 95%, 22%
HSV	121°, 97%, 43%
XYZ	5.6752, 11.2510, 2.0287
YIQ	66.0370, -30.0670, -55.3390

Conversions

Conversions Part 2

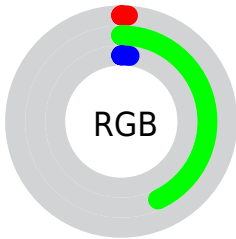
Format	Color
R_YB	3, 108, 110
Decimal	224773
CIE _{Lab}	40.00, -45.95, 43.53
CIE _{LCh}	40, 63.297, 136.550
Yxy	11.2510, 0.2994, 0.5936
Android (android.graphics.Color)	4278414853 (0xFF036E05)
YUV	66.0370, -30.0912, -55.2834
Hunter-Lab	33.5425, -28.4979, 19.8938

Details

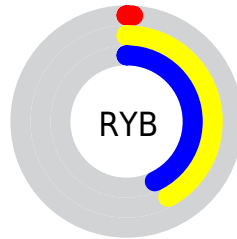
The CIELCh color **40, 63.297, 136.550** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **25, 60.594, 329.140**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 63.356, 136.546**, and **21, 42.369, 137.083** is the 20% darker color. If you saturate the color by 10%, you get **40, 64.028, 136.383**, and if you desaturate by 10%, it is **40, 60.310, 137.268**.

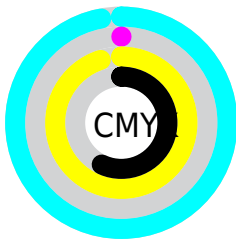
Distribution



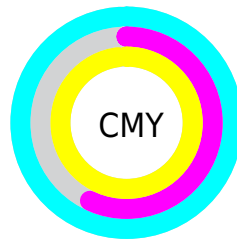
- Red (1%)
- Green (43%)
- Blue (2%)



- Red (1%)
- Yellow (42%)
- Blue (43%)



- Cyan (97%)
- Magenta (0%)
- Yellow (95%)
- Black (57%)





- Cyan (99%)
- Magenta (57%)
- Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 63.297, 136.550 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 40, 63.297, 136.550 by changing the saturation by 10% instead.


 40, 63.297,
136.550


 40, 63.297,
136.550


 100, 63.297,
136.550


 30, 63.297,
136.550

 60, 63.297,
136.550


 20, 63.297,
136.550

 70, 63.297,
136.550


 10, 63.297,
136.550

 80, 63.297,
136.550

 0, 63.297, 136.550

 90, 63.297,
136.550

 40, 63.297,

 40, 63.297,

136.550

136.550

■ 40, 64.028,
136.383

■ 40, 60.310,
137.268

■ 40, 56.095,
138.251

■ 41, 50.659,
139.357

■ 41, 44.269,
140.476

■ 42, 37.184,
141.534

■ 43, 29.631,
142.493

■ 44, 21.801,
143.340

■ 45, 13.846,
144.077

Harmonies

Complementary

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



40, 63.297, 136.550



25, 60.594, 329.140

Rectangle

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



40, 63.297, 136.550



40, 63.297, 186.550



40, 63.297, 316.550



40, 63.297, 6.550

Sweetspot

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



40, 63.297, 136.551



55, 28.428, 143.155



45, 51.635, 103.910



28, 19.353, 142.888



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



40, 63.297, 136.551



51, 77.266, 136.289



40, 45.326, 151.624



23, 4.499, 144.627



43, 67.978, 136.350



85, 116.650, 136.155

Inverse Universe

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



25, 60.594, 329.140



33, 73.640, 329.216



23, 45.257, 0.575



22, 4.507, 325.552



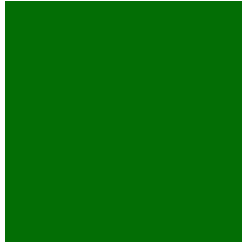
27, 64.905, 329.199



58, 110.731, 329.256

Previews

White Background



This preview shows how the CIELCh color 40, 63.297, 136.550 looks on a white background.

Color Contrast Check

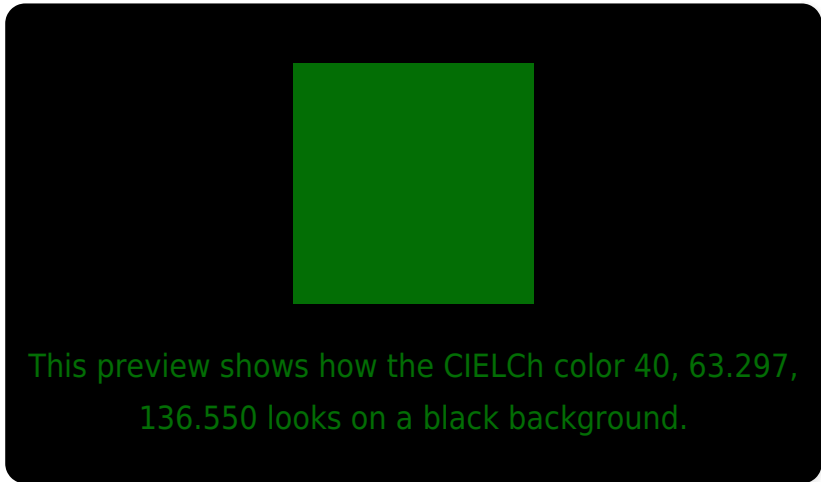
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

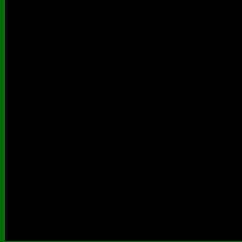
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 63.297, 136.550

Background



This preview shows how black text looks on a background with the CIELCh color 40, 63.297, 136.550.



This preview shows how white text looks on a background with the CIELCh color 40, 63.297, 136.550.

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

40, 63.235, 136.481

Protanopia

40, 47.127, 95.423

Deuteranopia

40, 40.199, 82.611



Tritanopia
40, 19.003, 212.344

Trichromacy



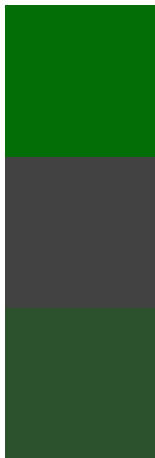
Original Color
40, 63.235, 136.481

Protanomaly
38, 50.943, 120.213

Deuteranomaly
38, 44.360, 116.758

Tritanomaly
40, 33.743, 159.193

Monochromacy



Original Color
40, 63.235, 136.481

Achromatopsia
28, 0.004, 296.813

Achromatomaly
31, 29.202, 141.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 63.297, 136.550 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(3, 110, 5)` looks like.

```
.text, #text, p{  
    color:rgb(3, 110, 5)  
}
```

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(3, 110, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 110, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 63.297, 136.550 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(3, 110, 5) }
```

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

```
.border{ border-color:rgb(3, 110, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 110, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 110, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 110, 5); box-shadow:4px  
4px 4px 4px rgb(3, 110, 5) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 63.297, 136.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 110, 5) }
```

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

```
.background{ background-color: rgb(3, 110,  
5) }
```

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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