

Converting Colors

CIELCh(40, 63.331, 136.660)

Have a look what the booklet for
CIELCh(40, 63.331, 136.660)
contains.

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Color

CIELCh(40, 63.093, 136.683)

Conversions

Conversions Part 1

Format	Color
Hex	036E06
RGB	3, 110, 6
RGB Percent	1%, 43%, 2%
CMY	0.9892, 0.5674, 0.9747
CMYK	0.97, 0.00, 0.94, 0.57
HSL	122°, 95%, 22%
HSV	122°, 97%, 43%
XYZ	5.6794, 11.2510, 2.0571
YIQ	66.1510, -30.3880, -55.0280

Conversions

Conversions Part 2

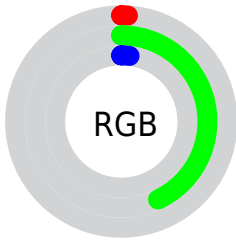
Format	Color
R_{YB}	3, 107, 110
Decimal	224774
CIE Lab	40.00, -45.90, 43.28
CIE LCh	40, 63.093, 136.683
Yxy	11.2510, 0.2991, 0.5925
Android (android.graphics.Color)	4278414854 (0xFF036E06)
YUV	66.1510, -29.6544, -55.3834
Hunter-Lab	33.5425, -28.4759, 19.8435

Details

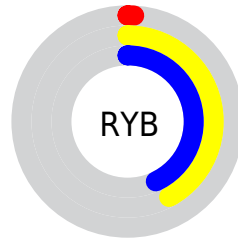
The CIELCh color **40, 63.093, 136.683** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **25, 60.170, 329.516**, and the grayscale version is **28, 0.004, 296.813**.

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, 63.807, 136.523**, and if you desaturate by 10%, it is **40, 60.079, 137.425**.

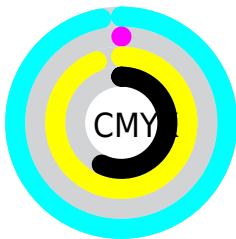
Distribution



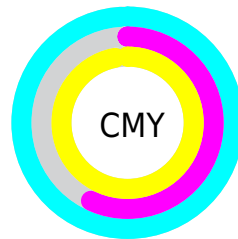
- Red (1%)
- Green (43%)
- Blue (2%)



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



- Cyan (97%)
- Magenta (0%)
- Yellow (94%)
- Black (57%)





- Cyan (99%)
- Magenta (57%)
- Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 63.093, 136.683 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, 63.093, 136.683 by changing the saturation by 10% instead.

 40, 63.093,
136.683


 40, 63.093,
136.683


 100, 63.093,
136.683


 30, 63.093,
136.683

 60, 63.093,
136.683


 20, 63.093,
136.683

 70, 63.093,
136.683


 10, 63.093,
136.683

 80, 63.093,
136.683

 0, 63.093, 136.683

 90, 63.093,
136.683

 40, 63.093,

 40, 63.093,

136.683

136.683

■ 40, 63.807,
136.523

■ 40, 60.079,
137.425

■ 40, 55.827,
138.449

■ 41, 50.385,
139.581

■ 41, 44.015,
140.715

■ 42, 36.965,
141.781

■ 43, 29.457,
142.745

■ 44, 21.676,
143.594

■ 45, 13.774,
144.334

Harmonies

Complementary

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



40, 63.093, 136.683



25, 60.170, 329.516

Rectangle

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



40, 63.093, 136.683



40, 63.093, 186.683



40, 63.093, 316.683



40, 63.093, 6.683

Sweetspot

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



40, 63.093, 136.684



55, 28.245, 143.412



45, 51.667, 104.878



28, 19.228, 143.143



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, 63.093, 136.684



51, 77.071, 136.393



41, 44.551, 152.509



23, 4.470, 144.887



43, 67.767, 136.478



85, 116.498, 136.209

Inverse Universe

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



25, 60.170, 329.516



33, 73.103, 329.609



22, 45.127, 2.064



22, 4.478, 325.815



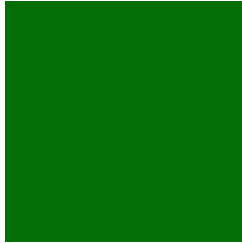
27, 64.440, 329.585



58, 109.892, 329.666

Previews

White Background



This preview shows how the CIELCh color 40, 63.093, 136.683 looks on a white background.

Color Contrast Check

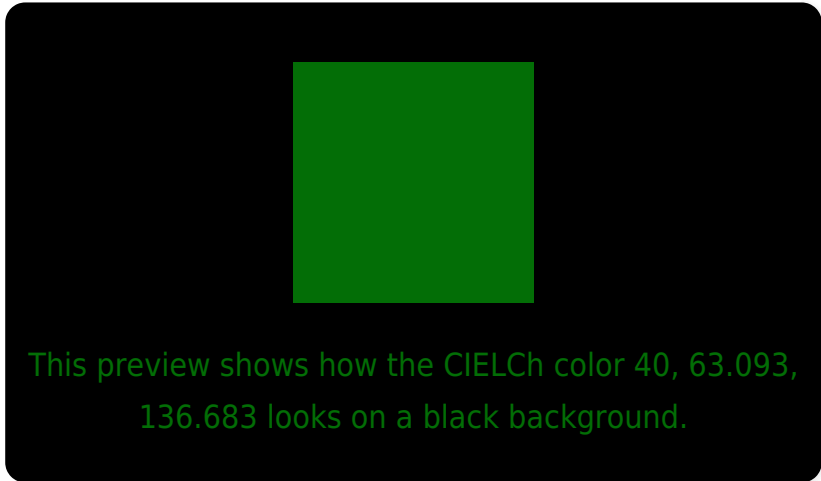
Large Text (above 18pt) WCAG AA ✓ Pass

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, 63.093, 136.683

Background



This preview shows how black text looks on a background with the CIELCh color 40, 63.093, 136.683.



This preview shows how white text looks on a background with the CIELCh color 40, 63.093, 136.683.

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, 63.032, 136.613

Protanopia
40, 47.127, 95.423

Deuteranopia
40, 39.791, 82.467



Tritanopia
40, 19.003, 212.344

Trichromacy



Original Color
40, 63.032, 136.613

Protanomaly
38, 50.943, 120.213

Deuteranomaly
38, 44.027, 116.900

Tritanomaly
40, 33.743, 159.193

Monochromacy



Original Color
40, 63.032, 136.613

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, 63.093, 136.683 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, 6)` looks like.

```
.text, #text, p{  
    color:rgb(3, 110, 6)  
}
```

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, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 110, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 63.093, 136.683 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, 6) }
```

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

```
.border{ border-color:rgb(3, 110, 6) }
```

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, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 110, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 110, 6); box-shadow:4px  
4px 4px 4px rgb(3, 110, 6) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 63.093, 136.683 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, 6) }
```

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

```
.background{ background-color: rgb(3, 110,  
6) }
```

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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