

Converting Colors

CIELCh(40, 73.103, 129.828)

Have a look what the booklet for
CIELCh(40, 73.103, 129.828)
contains.

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Color

CIELCh(40, 63.666, 135.094)

Conversions

Conversions Part 1

Format	Color
Hex	0D6E00
RGB	13, 110, 0
RGB Percent	5%, 43%, 0%
CMY	0.9485, 0.5684, 0.9997
CMYK	0.88, 0.00, 1.00, 0.57
HSL	113°, 100%, 22%
HSV	113°, 100%, 43%
XYZ	5.7505, 11.2510, 1.8707
YIQ	68.4570, -22.5020, -54.7740

Conversions

Conversions Part 2

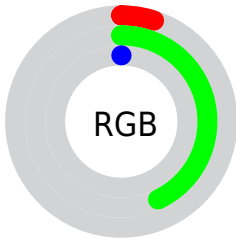
Format	Color
RYB	0, 110, 97
Decimal	880128
CIELab	40.00, -45.09, 44.94
CIELCh	40, 63.666, 135.094
Yxy	11.2510, 0.3047, 0.5962
Android (android.graphics.Color)	4279070208 (0xFF0D6E00)
YUV	68.4570, -33.7493, -48.6358
Hunter-Lab	33.5425, -28.0976, 20.1731

Details

The CIELCh color **40, 63.666, 135.094** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **23, 62.707, 323.857**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 63.829, 135.031**, and **21, 42.369, 137.083** is the 20% darker color. If you saturate the color by 10%, you get **40, 63.687, 135.090**, and if you desaturate by 10%, it is **40, 60.566, 135.524**.

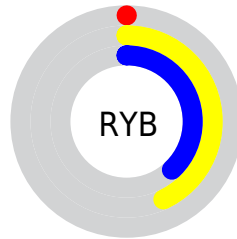
Distribution



Red (5%)

Green (43%)

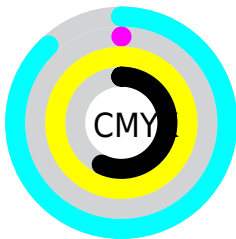
Blue (0%)



Red (0%)

Yellow (43%)

Blue (38%)

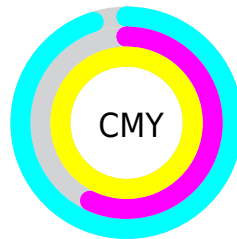


Cyan (88%)

Magenta (0%)

Yellow (100%)

Black (57%)



Cyan (95%)


Magenta (57%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 63.666, 135.094 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, 63.666, 135.094 by changing the saturation by 10% instead.


 40, 63.666,
135.094


 40, 63.666,
135.094


 100, 63.666,
135.094


 30, 63.666,
135.094

 60, 63.666,
135.094


 20, 63.666,
135.094

 70, 63.666,
135.094

 10, 63.666,
135.094

 80, 63.666,
135.094

 0, 63.666, 135.094

 90, 63.666,
135.094

 40, 63.666,

 40, 63.666,

135.094

■ 40, 63.687,
135.090

135.094

■ 40, 60.566,
135.524

■ 40, 56.574,
135.915

■ 41, 51.319,
136.545

■ 41, 45.097,
137.299

■ 42, 38.187,
138.086

■ 43, 30.824,
138.845

■ 43, 23.193,
139.545

■ 44, 15.434,
140.173

Harmonies

Complementary

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



40, 63.666, 135.094



23, 62.707, 323.857

Rectangle

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



40, 63.666, 135.094



40, 63.666, 185.094



40, 63.666, 315.094



40, 63.666, 5.094

Sweetspot

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



40, 63.666, 135.095



56, 28.780, 139.487



41, 47.795, 93.908



28, 19.483, 139.273



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, 63.666, 135.095



52, 77.013, 135.288



40, 52.934, 144.492



23, 4.404, 140.779



43, 67.742, 135.162



86, 116.278, 135.536

Inverse Universe

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



23, 62.707, 323.857



30, 75.675, 323.744



23, 48.235, 348.714



22, 4.420, 321.569



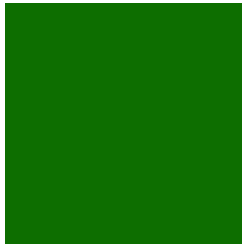
25, 66.664, 323.817



54, 113.931, 323.573

Previews

White Background



This preview shows how the CIELCh color 40, 63.666, 135.094 looks on a white background.

Color Contrast Check

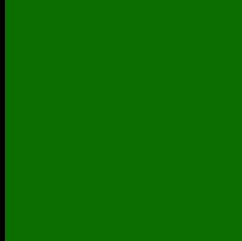
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 40, 63.666, 135.094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

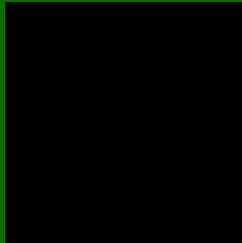
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 63.666, 135.094

Background



This preview shows how black text looks on a background with the CIELCh color 40, 63.666, 135.094.



This preview shows how white text looks on a background with the CIELCh color 40, 63.666, 135.094.

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, 63.666, 135.094

Protanopia

40, 47.127, 95.423

Deuteranopia

40, 40.199, 82.611



Tritanopia
40, 18.588, 214.756

Trichromacy



Original Color
40, 63.666, 135.094

Protanomaly
39, 50.897, 118.102

Deuteranomaly
38, 44.557, 114.161

Tritanomaly
39, 33.150, 157.181

Monochromacy



Original Color
40, 63.666, 135.094

Achromatopsia
29, 0.005, 296.813

Achromatomaly
32, 29.211, 138.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 63.666, 135.094 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(13, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(13, 110, 0)  
}
```

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(13, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 110, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 63.666, 135.094 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(13, 110, 0) }
```

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

```
.border{ border-color:rgb(13, 110, 0) }
```

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

Here you see how a box with a 4 pixel rgb(13, 110, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(13, 110, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 63.666, 135.094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 110, 0) }
```

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

```
.background{ background-color: rgb(13, 110,  
0) }
```

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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