

Converting Colors

CIELCh(40, 64.063, 135.721)

Have a look what the booklet for
CIELCh(40, 64.063, 135.721)
contains.

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Color

CIELCh(40, 63.887, 135.735)

Conversions

Conversions Part 1

Format	Color
Hex	076E01
RGB	7, 110, 1
RGB Percent	3%, 43%, 0%
CMY	0.9740, 0.5676, 0.9948
CMYK	0.94, 0.00, 0.99, 0.57
HSL	117°, 98%, 22%
HSV	117°, 99%, 43%
XYZ	5.6928, 11.2510, 1.9093
YIQ	66.7770, -26.3990, -55.7350

Conversions

Conversions Part 2

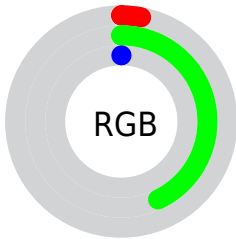
Format	Color
RYB	1, 110, 104
Decimal	486913
CIELab	40.00, -45.75, 44.59
CIELCh	40, 63.887, 135.735
Yxy	11.2510, 0.3020, 0.5968
Android (android.graphics.Color)	4278676993 (0xFF076E01)
YUV	66.7770, -32.4281, -52.4244
Hunter-Lab	33.5425, -28.4045, 20.1048

Details

The CIELCh color **40, 63.887, 135.735** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **24, 62.139, 326.404**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 63.787, 135.681**, and **21, 42.369, 137.083** is the 20% darker color. If you saturate the color by 10%, you get **40, 64.244, 135.644**, and if you desaturate by 10%, it is **40, 60.923, 136.354**.

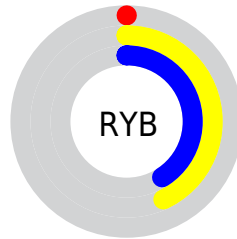
Distribution



Red (3%)

Green (43%)

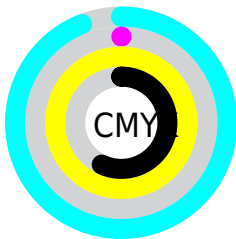
Blue (0%)



Red (0%)

Yellow (43%)

Blue (41%)

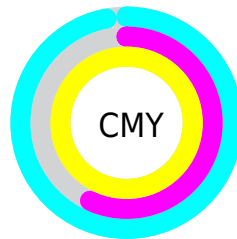


Cyan (94%)

Magenta (0%)

Yellow (99%)

Black (57%)



Cyan (97%)


Magenta (57%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 63.887, 135.735 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, 63.887, 135.735 by changing the saturation by 10% instead.


 40, 63.887,
135.735


 40, 63.887,
135.735


 100, 63.887,
135.735


 30, 63.887,
135.735

 60, 63.887,
135.735


 20, 63.887,
135.735

 70, 63.887,
135.735


 10, 63.887,
135.735

 80, 63.887,
135.735

 0, 63.887, 135.735

 90, 63.887,
135.735

 40, 63.887,

 40, 63.887,

135.735

135.735

■ 40, 64.244,
135.644

■ 40, 60.923,
136.354

■ 40, 56.906,
137.017

■ 41, 51.588,
137.878

■ 41, 45.263,
138.819

■ 42, 38.214,
139.751

■ 43, 30.682,
140.621

■ 43, 22.864,
141.405

■ 44, 14.913,
142.096

Harmonies

Complementary

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



40, 63.887, 135.735



24, 62.139, 326.404

Rectangle

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



40, 63.887, 135.735



40, 63.887, 185.735



40, 63.887, 315.735



40, 63.887, 5.735

Sweetspot

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



40, 63.887, 135.736



55, 29.431, 141.257



43, 50.145, 99.807



28, 19.921, 141.016



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, 63.887, 135.736



51, 77.487, 135.741



40, 48.838, 148.132



23, 4.503, 142.691



43, 68.216, 135.678



85, 116.818, 135.875

Inverse Universe

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



24, 62.139, 326.404



32, 75.233, 326.360



23, 46.338, 355.181



22, 4.514, 323.551



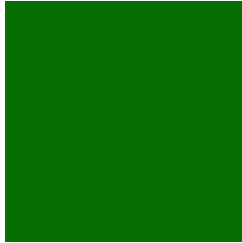
27, 66.284, 326.391



57, 113.224, 326.287

Previews

White Background



This preview shows how the CIELCh color 40, 63.887, 135.735 looks on a white background.

Color Contrast Check

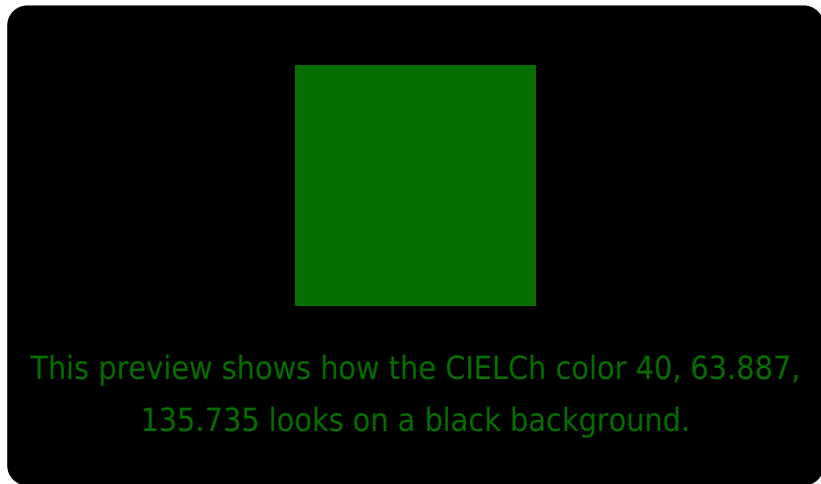
Large Text (above 18pt) WCAG AA ✓ Pass

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

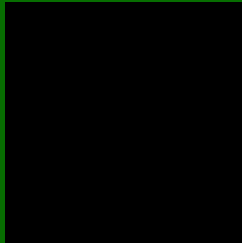
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 63.887, 135.735

Background



This preview shows how black text looks on a background with the CIELCh color 40, 63.887, 135.735.



This preview shows how white text looks on a background with the CIELCh color 40, 63.887, 135.735.

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, 63.826, 135.665

Protanopia
40, 47.127, 95.423

Deuteranopia
40, 40.199, 82.611



Tritanopia
40, 18.588, 214.756

Trichromacy



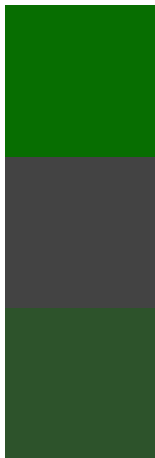
Original Color
40, 63.826, 135.665

Protanomaly
39, 51.176, 119.049

Deuteranomaly
38, 44.566, 116.045

Tritanomaly
39, 33.674, 157.796

Monochromacy



Original Color
40, 63.826, 135.665

Achromatopsia
28, 0.004, 296.813

Achromatomaly
32, 29.925, 139.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 63.887, 135.735 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, 110, 1)` looks like.

```
.text, #text, p{  
    color:rgb(7, 110, 1)  
}
```

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, 110, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 110, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 63.887, 135.735 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, 110, 1) }
```

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

```
.border{ border-color:rgb(7, 110, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 110, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 110, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 110, 1); box-shadow:4px  
4px 4px 4px rgb(7, 110, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 63.887, 135.735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 110, 1) }
```

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

```
.background{ background-color: rgb(7, 110,  
1) }
```

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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