

Converting Colors

CIELCh(40, 63.595, 135.339)

Have a look what the booklet for
CIELCh(40, 63.595, 135.339)
contains.

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Color

CIELCh(40, 63.519, 135.309)

Conversions

Conversions Part 1

Format	Color
Hex	0C6E01
RGB	12, 110, 1
RGB Percent	5%, 43%, 0%
CMY	0.9522, 0.5683, 0.9957
CMYK	0.89, 0.00, 0.99, 0.57
HSL	114°, 98%, 22%
HSV	114°, 99%, 43%
XYZ	5.7448, 11.2510, 1.9005
YIQ	68.2720, -23.4190, -54.6750

Conversions

Conversions Part 2

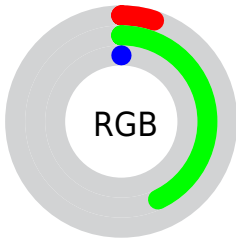
Format	Color
R_{YB}	1, 110, 99
Decimal	814593
CIE _{Lab}	40.00, -45.16, 44.67
CIE _{LCh}	40, 63.519, 135.309
Yxy	11.2510, 0.3040, 0.5954
Android (android.graphics.Color)	4279004673 (0xFF0C6E01)
YUV	68.2720, -33.1651, -49.3505
Hunter-Lab	33.5425, -28.1275, 20.1204

Details

The CIELCh color **40, 63.519, 135.309** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **23, 62.354, 324.473**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 63.618, 135.465**, and **21, 42.369, 137.083** is the 20% darker color. If you saturate the color by 10%, you get **40, 63.821, 135.236**, and if you desaturate by 10%, it is **40, 60.435, 135.761**.

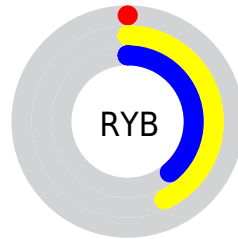
Distribution



Red (5%)

Green (43%)

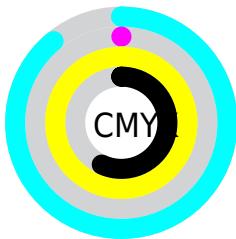
Blue (0%)



Red (0%)

Yellow (43%)

Blue (39%)

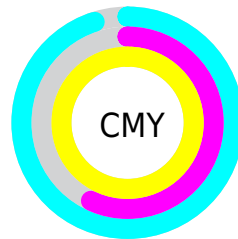


Cyan (89%)

Magenta (0%)

Yellow (99%)

Black (57%)



Cyan (95%)


Magenta (57%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 63.519, 135.309 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, 63.519, 135.309 by changing the saturation by 10% instead.


 40, 63.519,
135.309


 40, 63.519,
135.309


 100, 63.519,
135.309


 30, 63.519,
135.309

 60, 63.519,
135.309


 20, 63.519,
135.309

 70, 63.519,
135.309

 10, 63.519,
135.309

 80, 63.519,
135.309

 0, 63.519, 135.309

 90, 63.519,
135.309

 40, 63.519,

 40, 63.519,

135.309

135.309

■ 40, 63.821,
135.236

■ 40, 60.435,
135.761

■ 40, 56.342,
136.236

■ 41, 50.996,
136.932

■ 41, 44.692,
137.734

■ 42, 37.712,
138.554

■ 43, 30.285,
139.335

■ 43, 22.597,
140.050

■ 44, 14.790,
140.687

Harmonies

Complementary

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



40, 63.519, 135.309



23, 62.354, 324.473

Rectangle

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



40, 63.519, 135.309



40, 63.519, 185.309



40, 63.519, 315.309



40, 63.519, 5.309

Sweetspot

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



40, 63.519, 135.310



56, 28.936, 139.927



41, 48.023, 95.219



28, 19.588, 139.707



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, 63.519, 135.310



51, 77.147, 135.417



40, 51.877, 145.284



23, 4.427, 141.251



43, 67.870, 135.303



85, 116.443, 135.640

Inverse Universe

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



23, 62.354, 324.473



31, 75.549, 324.369



23, 47.675, 349.814



22, 4.442, 322.057



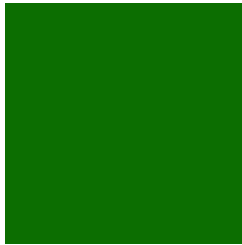
25, 66.556, 324.433



54, 113.730, 324.222

Previews

White Background



This preview shows how the CIELCh color 40, 63.519, 135.309 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 CIELCh color 40, 63.519, 135.309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

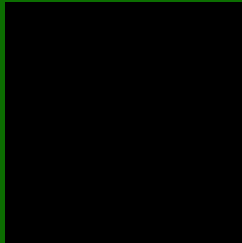
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 63.519, 135.309

Background



This preview shows how black text looks on a background with the CIELCh color 40, 63.519, 135.309.



This preview shows how white text looks on a background with the CIELCh color 40, 63.519, 135.309.

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, 63.519, 135.309

Protanopia

40, 47.127, 95.423

Deuteranopia

40, 40.199, 82.611



Tritanopia
40, 18.588, 214.756

Trichromacy



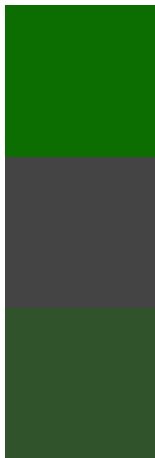
Original Color
40, 63.519, 135.309

Protanomaly
39, 50.897, 118.102

Deuteranomaly
38, 44.242, 114.278

Tritanomaly
39, 33.329, 157.394

Monochromacy



Original Color
40, 63.519, 135.309

Achromatopsia
29, 0.005, 296.813

Achromatomaly
32, 28.754, 138.827

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 63.519, 135.309 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(12, 110, 1)` looks like.

```
.text, #text, p{  
    color:rgb(12, 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(12, 110, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 110, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 63.519, 135.309 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(12, 110, 1) }
```

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

```
.border{ border-color:rgb(12, 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(12, 110, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 110, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 110, 1);  
box-shadow:4px 4px 4px 4px rgb(12, 110, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 63.519, 135.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 110, 1) }
```

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

```
.background{ background-color: rgb(12, 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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