

Converting Colors

CIELCh(40, 54.245, 143.284)

Have a look what the booklet for
CIELCh(40, 54.245, 143.284)
contains.

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Color

CIELCh(40, 54.248, 143.383)

Conversions

Conversions Part 1

Format	Color
Hex	006E25
RGB	0, 110, 37
RGB Percent	0%, 43%, 15%
CMY	1.0000, 0.5692, 0.8554
CMYK	1.00, 0.00, 0.66, 0.57
HSL	140°, 100%, 22%
HSV	140°, 100%, 43%
XYZ	5.8878, 11.2510, 3.6006
YIQ	68.7880, -42.1270, -46.0230

Conversions

Conversions Part 2

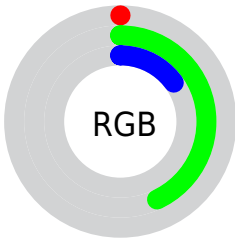
Format	Color
RYB	0, 82, 110
Decimal	28197
CIELab	40.00, -43.54, 32.36
CIELCh	40, 54.248, 143.383
Yxy	11.2510, 0.2839, 0.5425
Android (android.graphics.Color)	4278218277 (0xFF006E25)
YUV	68.7880, -15.6715, -60.3271
Hunter-Lab	33.5425, -27.3666, 17.1154

Details

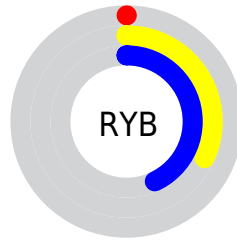
The CIELCh color $[40, 54.248, 143.383]$ is a dark color, and the websafe version is hex 006600 . A complement of this color would be $[23, 49.019, 346.401]$, and the grayscale version is $[29, 0.005, 296.813]$.

A 20% lighter version of the original color is $[60, 54.493, 143.452]$, and $[21, 42.369, 137.083]$ is the 20% darker color. If you saturate the color by 10%, you get $[40, 54.226, 143.359]$, and if you desaturate by 10%, it is $[40, 50.574, 145.076]$.

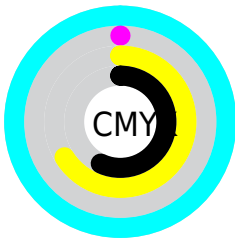
Distribution



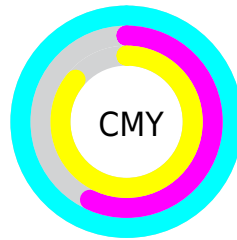
- Red (0%)
- Green (43%)
- Blue (15%)



- Red (0%)
- Yellow (32%)
- Blue (43%)



- Cyan (100%)
- Magenta (0%)
- Yellow (66%)
- Black (57%)





- Cyan (100%)
- Magenta (57%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 54.248, 143.383 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, 54.248, 143.383 by changing the saturation by 10% instead.


 40, 54.248,
143.383


 40, 54.248,
143.383


 100, 54.248,
143.383


 30, 54.248,
143.383

 60, 54.248,
143.383


 20, 54.248,
143.383

 70, 54.248,
143.383

 10, 54.248,
143.383

 80, 54.248,
143.383

 0, 54.248, 143.383

 90, 54.248,
143.383

 40, 54.248,

 40, 54.248,

143.383

143.383

■ 40, 54.226,
143.359

■ 40, 50.574,
145.076

■ 40, 46.489,
146.877

■ 41, 41.819,
148.521

■ 41, 36.631,
149.991

■ 42, 31.014,
151.292

■ 43, 25.071,
152.434

■ 43, 18.908,
153.437

■ 44, 12.620,
154.321

Harmonies

Complementary

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



40, 54.248, 143.383



23, 49.019, 346.401

Rectangle

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



40, 54.248, 143.383



40, 54.248, 193.383



40, 54.248, 323.383



40, 54.248, 13.383

Sweetspot

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



40, 54.226, 143.359



56, 23.439, 153.361



42, 55.270, 120.739



28, 15.859, 153.058



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, 54.226, 143.359



52, 66.387, 142.751



41, 31.750, 175.207



23, 3.599, 155.187



44, 57.983, 143.140



86, 101.880, 141.887

Inverse Universe

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



23, 49.019, 346.401



31, 58.894, 347.062



21, 49.799, 29.051



22, 3.620, 336.323



25, 52.063, 346.635



55, 87.963, 348.073

Previews

White Background



This preview shows how the CIELCh color 40, 54.248, 143.383 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, 54.248, 143.383 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, 54.248, 143.383

Background



This preview shows how black text looks on a background with the CIELCh color 40, 54.248, 143.383.



This preview shows how white text looks on a background with the CIELCh color 40, 54.248, 143.383.

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, 54.248, 143.383

Protanopia
40, 35.595, 95.770

Deuteranopia
40, 31.123, 81.116



Tritanopia
40, 19.433, 211.960

Trichromacy



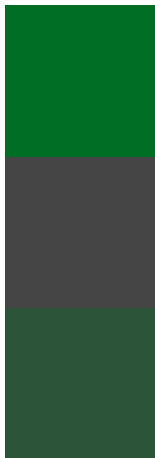
Original Color
40, 54.248, 143.383

Protanomaly
39, 40.674, 126.394

Deuteranomaly
38, 34.421, 123.308

Tritanomaly
40, 29.082, 169.768

Monochromacy



Original Color
40, 54.248, 143.383

Achromatopsia
29, 0.005, 296.813

Achromatomaly
32, 23.982, 151.343

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 54.248, 143.383 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(0, 110, 37)` looks like.

```
.text, #text, p{  
    color:rgb(0, 110, 37)  
}
```

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(0, 110, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 54.248, 143.383 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(0, 110, 37) }
```

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

```
.border{ border-color:rgb(0, 110, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 110, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 37);  
box-shadow:4px 4px 4px 4px rgb(0, 110, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 54.248, 143.383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 110, 37) }
```

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

```
.background{ background-color: rgb(0, 110,  
37) }
```

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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