

Converting Colors

CIELCh(40, 46.149, 151.167)

Have a look what the booklet for
CIELCh(40, 46.149, 151.167)
contains.

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Color

CIELCh(40, 45.817, 151.054)

Conversions

Conversions Part 1

Format	Color
Hex	006D38
RGB	0, 109, 56
RGB Percent	0%, 43%, 22%
CMY	0.9989, 0.5721, 0.7800
CMYK	1.00, 0.00, 0.49, 0.57
HSL	151°, 100%, 21%
HSV	151°, 100%, 43%
XYZ	6.2011, 11.2510, 5.6000
YIQ	70.3670, -47.9510, -39.5910

Conversions

Conversions Part 2

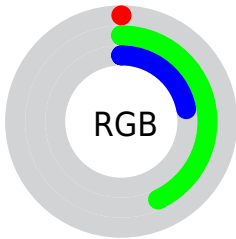
Format	Color
RYB	0, 72, 109
Decimal	27960
CIELab	40.00, -40.09, 22.17
CIELCh	40, 45.817, 151.054
Yxy	11.2510, 0.2690, 0.4881
Android (android.graphics.Color)	4278218040 (0xFF006D38)
YUV	70.3670, -7.0829, -61.7119
Hunter-Lab	33.5425, -25.6995, 13.5812

Details

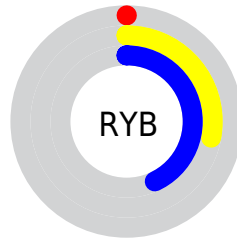
The CIELCh color **40, 45.817, 151.054** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **22, 45.393, 0.891**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 46.068, 151.112**, and **21, 37.691, 141.252** is the 20% darker color. If you saturate the color by 10%, you get **40, 45.893, 151.011**, and if you desaturate by 10%, it is **40, 42.737, 152.951**.

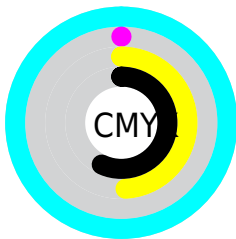
Distribution



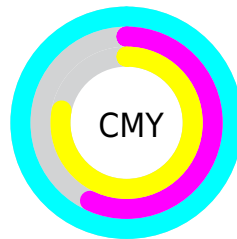
- Red (0%)
- Green (43%)
- Blue (22%)



- Red (0%)
- Yellow (28%)
- Blue (43%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (57%)





- Cyan (100%)
- Magenta (57%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 45.817, 151.054 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, 45.817, 151.054 by changing the saturation by 10% instead.


 40, 45.817,
151.054


 40, 45.817,
151.054


 100, 45.817,
151.054


 30, 45.817,
151.054

 60, 45.817,
151.054


 20, 45.817,
151.054

 70, 45.817,
151.054

 10, 45.817,
151.054

 80, 45.817,
151.054

 0, 45.817, 151.054

 90, 45.817,
151.054

 40, 45.817,

 40, 45.817,

151.054

151.054

■ 40, 45.893,
151.011

■ 40, 42.737,
152.951

■ 40, 39.368,
154.859

■ 41, 35.515,
156.575

■ 41, 31.209,
158.106

■ 42, 26.509,
159.466

■ 42, 21.492,
160.676

■ 43, 16.241,
161.757

■ 44, 10.839,
162.731

Harmonies

Complementary

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



40, 45.817, 151.054



22, 45.393, 0.891

Rectangle

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



40, 45.817, 151.054



40, 45.817, 201.054



40, 45.817, 331.054



40, 45.817, 21.054

Sweetspot

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



40, 45.817, 151.054



56, 20.402, 161.646



41, 57.859, 127.243



28, 13.785, 161.317



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, 45.817, 151.054



52, 56.456, 150.323



41, 26.802, 196.388



22, 3.039, 163.700



43, 48.510, 150.810



85, 85.943, 149.367

Inverse Universe

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



22, 45.393, 0.891



30, 55.012, 2.244



21, 53.442, 36.759



21, 3.077, 345.014



24, 47.807, 1.335



53, 81.945, 4.105

Previews

White Background



This preview shows how the CIELCh color 40, 45.817, 151.054 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, 45.817, 151.054 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, 45.817, 151.054

Background



This preview shows how black text looks on a background with the CIELCh color 40, 45.817, 151.054.



This preview shows how white text looks on a background with the CIELCh color 40, 45.817, 151.054.

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, 45.817, 151.054

Protanopia

40, 26.091, 95.441

Deuteranopia

40, 20.951, 75.650



Tritanopia
40, 20.048, 211.437

Trichromacy



Original Color
40, 45.817, 151.054

Protanomaly
38, 31.120, 134.061

Deuteranomaly
38, 25.465, 132.649

Tritanomaly
40, 26.986, 177.636

Monochromacy



Original Color
40, 45.817, 151.054

Achromatopsia
30, 0.005, 296.813

Achromatomaly
33, 20.333, 160.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 45.817, 151.054 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, 109, 56)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 56)  
}
```

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, 109, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 45.817, 151.054 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, 109, 56) }
```

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

```
.border{ border-color:rgb(0, 109, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 109, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 56);  
box-shadow:4px 4px 4px 4px rgb(0, 109, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 45.817, 151.054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 56) }
```

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

```
.background{ background-color: rgb(0, 109,  
56) }
```

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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