

Converting Colors

CIELCh(39, 45.283, 151.018)

Have a look what the booklet for
CIELCh(39, 45.283, 151.018)
contains.

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Color

CIELCh(39, 45.049, 150.912)

Conversions

Conversions Part 1

Format	Color
Hex	016A36
RGB	1, 106, 54
RGB Percent	0%, 42%, 21%
CMY	0.9969, 0.5829, 0.7869
CMYK	0.99, 0.00, 0.49, 0.58
HSL	150°, 99%, 21%
HSV	150°, 99%, 42%
XYZ	5.8757, 10.6589, 5.2788
YIQ	68.6770, -45.8880, -38.4320

Conversions

Conversions Part 2

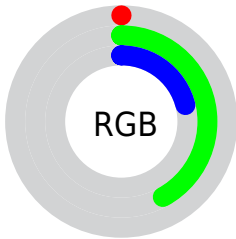
Format	Color
RYB	1, 71, 106
Decimal	92726
CIELab	39.00, -39.37, 21.90
CIELCh	39, 45.049, 150.912
Yxy	10.6589, 0.2694, 0.4886
Android (android.graphics.Color)	4278282806 (0xFF016A36)
YUV	68.6770, -7.2358, -59.3527
Hunter-Lab	32.6480, -25.0092, 13.2672

Details

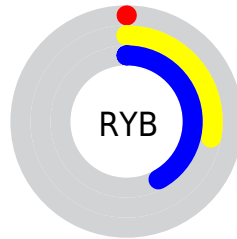
The CIELCh color **39, 45.049, 150.912** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **21, 44.543, 0.091**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 44.564, 151.011**, and **20, 37.060, 140.659** is the 20% darker color. If you saturate the color by 10%, you get **39, 45.276, 150.784**, and if you desaturate by 10%, it is **39, 41.982, 152.798**.

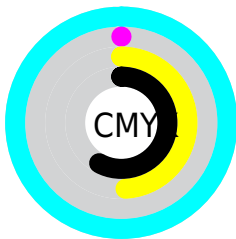
Distribution



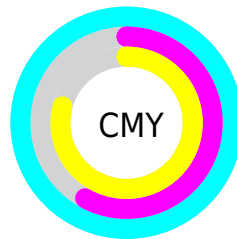
- Red (0%)
- Green (42%)
- Blue (21%)



- Red (0%)
- Yellow (28%)
- Blue (42%)



- Cyan (99%)
- Magenta (0%)
- Yellow (49%)
- Black (58%)




- Cyan (100%)
- Magenta (58%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 45.049, 150.912 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 39, 45.049, 150.912 by changing the saturation by 10% instead.


 39, 45.049,
150.912


 39, 45.049,
150.912

 100, 45.049,
150.912


 29, 45.049,
150.912

 59, 45.049,
150.912


 19, 45.049,
150.912


 69, 45.049,
150.912

 9, 45.049, 150.912

 79, 45.049,
150.912

 0, 45.049, 150.912

 89, 45.049,
150.912

 99, 45.049,
150.912

■ 39, 45.049,
150.912

■ 39, 45.049,
150.912

■ 39, 45.276,
150.784

■ 39, 41.982,
152.798

■ 39, 38.620,
154.686

■ 40, 34.785,
156.384

■ 40, 30.510,
157.897

■ 41, 25.855,
159.241

■ 41, 20.897,
160.437

■ 42, 15.717,
161.506

■ 43, 10.395,

162.469

■ 44, 5.001, 163.358

Harmonies

Complementary

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



39, 45.049, 150.912



21, 44.543, 0.091

Rectangle

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



39, 45.049, 150.912



39, 45.049, 200.912



39, 45.049, 330.912



39, 45.049, 20.912

Sweetspot

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



39, 45.049, 150.912



54, 19.896, 161.347



40, 56.628, 127.180



27, 13.439, 161.030



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39, 45.049, 150.912



50, 55.224, 150.106



40, 26.284, 196.393



22, 3.052, 163.384



43, 48.803, 150.508



85, 86.474, 149.067

Inverse Universe

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



21, 44.543, 0.091



29, 53.640, 1.544



20, 52.090, 36.394



21, 3.089, 344.692



24, 47.858, 0.804



53, 81.992, 3.534

Previews

White Background



This preview shows how the CIELCh color 39, 45.049, 150.912 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 39, 45.049, 150.912 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 39, 45.049, 150.912

Background



This preview shows how black text looks on a background with the CIELCh color 39, 45.049, 150.912.



This preview shows how white text looks on a background with the CIELCh color 39, 45.049, 150.912.

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
39, 44.976, 150.836

Protanopia
39, 26.070, 96.393

Deuteranopia
39, 20.772, 76.664



Tritanopia
39, 19.388, 213.975

Trichromacy



Original Color
39, 44.976, 150.836

Protanomaly
38, 31.004, 133.382

Deuteranomaly
37, 25.548, 132.614

Tritanomaly
39, 26.084, 178.335

Monochromacy



Original Color
39, 44.976, 150.836

Achromatopsia
29, 0.005, 296.813

Achromatomaly
32, 20.116, 160.006

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 45.049, 150.912 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(1, 106, 54)` looks like.

```
.text, #text, p{  
    color:rgb(1, 106, 54)  
}
```

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(1, 106, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 106, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 45.049, 150.912 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(1, 106, 54) }
```

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

```
.border{ border-color:rgb(1, 106, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 106, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 106, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 106, 54);  
box-shadow:4px 4px 4px 4px rgb(1, 106, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 45.049, 150.912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 106, 54) }
```

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

```
.background{ background-color: rgb(1, 106,  
54) }
```

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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