

Converting Colors

CIELCh(38, 52.793, 149.826)

Have a look what the booklet for
CIELCh(38, 52.793, 149.826)
contains.

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Color

CIELCh(38, 49.226, 146.307)

Conversions

Conversions Part 1

Format	Color
Hex	00682A
RGB	0, 104, 42
RGB Percent	0%, 41%, 16%
CMY	1.0000, 0.5916, 0.8344
CMYK	1.00, 0.00, 0.59, 0.59
HSL	144°, 100%, 20%
HSV	144°, 100%, 41%
XYZ	5.3652, 10.0881, 3.8767
YIQ	65.8360, -42.0820, -41.3300

Conversions

Conversions Part 2

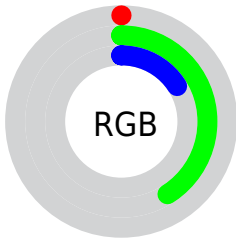
Format	Color
RYB	0, 74, 104
Decimal	26666
CIELab	38.00, -40.96, 27.31
CIELCh	38, 49.226, 146.307
Yxy	10.0881, 0.2776, 0.5219
Android (android.graphics.Color)	4278216746 (0xFF00682A)
YUV	65.8360, -11.7511, -57.7382
Hunter-Lab	31.7617, -25.4308, 14.9965

Details

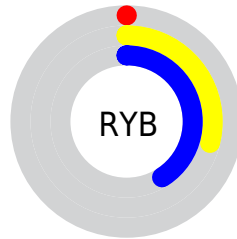
The CIELCh color **38, 49.226, 146.307** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **21, 45.579, 351.575**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 49.117, 146.009**, and **19, 39.062, 137.997** is the 20% darker color. If you saturate the color by 10%, you get **38, 49.096, 146.165**, and if you desaturate by 10%, it is **38, 45.700, 147.941**.

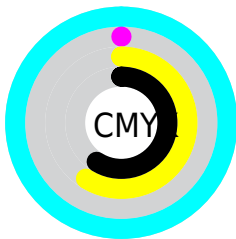
Distribution



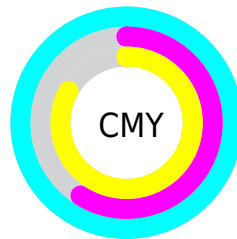
- Red (0%)
- Green (41%)
- Blue (16%)



- Red (0%)
- Yellow (29%)
- Blue (41%)



- Cyan (100%)
- Magenta (0%)
- Yellow (59%)
- Black (59%)




- Cyan (100%)
- Magenta (59%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 49.226, 146.307 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 38, 49.226, 146.307 by changing the saturation by 10% instead.


 38, 49.226,
146.307


 38, 49.226,
146.307

 100, 49.226,
146.307


 28, 49.226,
146.307

 58, 49.226,
146.307


 18, 49.226,
146.307

 68, 49.226,
146.307

 8, 49.226, 146.307

 78, 49.226,
146.307

 0, 49.226, 146.307

 88, 49.226,
146.307

 98, 49.226,
146.307

■ 38, 49.226,
146.307

■ 38, 49.226,
146.307

■ 38, 49.096,
146.165

■ 38, 45.700,
147.941

■ 38, 41.991,
149.790

■ 39, 37.779,
151.462

■ 39, 33.110,
152.953

■ 40, 28.056,
154.272

■ 40, 22.703,
155.435

■ 41, 17.141,
156.464

■ 42, 11.455,

157.378

■ 43, 5.719, 158.206

Harmonies

Complementary

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



38, 49.226, 146.307



21, 45.579, 351.575

Rectangle

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



38, 49.226, 146.307



38, 49.226, 196.307



38, 49.226, 326.307



38, 49.226, 16.307

Sweetspot

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



38, 49.096, 146.165



53, 21.222, 156.382



40, 54.284, 123.482



27, 14.567, 156.074



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



38, 49.096, 146.165



49, 60.021, 145.492



39, 28.341, 182.938



21, 3.154, 158.295



42, 52.895, 145.895



84, 94.629, 144.471

Inverse Universe

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



21, 45.579, 351.575



29, 54.641, 352.489



20, 49.305, 32.172



20, 3.179, 339.478



24, 48.722, 351.935



53, 83.618, 353.974

Previews

White Background



This preview shows how the CIELCh color 38, 49.226, 146.307 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 38, 49.226, 146.307 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 38, 49.226, 146.307

Background



This preview shows how black text looks on a background with the CIELCh color 38, 49.226, 146.307.



This preview shows how white text looks on a background with the CIELCh color 38, 49.226, 146.307.

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
38, 49.113, 146.101

Protanopia
38, 31.098, 95.980

Deuteranopia
38, 25.945, 77.927



Tritanopia
38, 18.885, 212.530

Trichromacy



Original Color
38, 49.113, 146.101

Protanomaly
37, 35.361, 128.805

Deuteranomaly
36, 29.344, 126.131

Tritanomaly
38, 27.012, 173.212

Monochromacy



Original Color
38, 49.113, 146.101

Achromatopsia
28, 0.004, 296.813

Achromatomaly
31, 21.735, 154.296

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 49.226, 146.307 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, 104, 42)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 42)  
}
```

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, 104, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 49.226, 146.307 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, 104, 42) }
```

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

```
.border{ border-color:rgb(0, 104, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 104, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 42);  
box-shadow:4px 4px 4px 4px rgb(0, 104, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 49.226, 146.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 42) }
```

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

```
.background{ background-color: rgb(0, 104,  
42) }
```

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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