

Converting Colors

CIELCh(37, 68.248, 161.306)

Have a look what the booklet for
CIELCh(37, 68.248, 161.306)
contains.

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Color

CIELCh(39, 47.754, 148.373)

Conversions

Conversions Part 1

Format	Color
Hex	006B31
RGB	0, 107, 49
RGB Percent	0%, 42%, 19%
CMY	1.0000, 0.5817, 0.8090
CMYK	1.00, 0.00, 0.54, 0.58
HSL	147°, 100%, 21%
HSV	147°, 100%, 42%
XYZ	5.7611, 10.6589, 4.6257
YIQ	68.3950, -45.1540, -40.7220

Conversions

Conversions Part 2

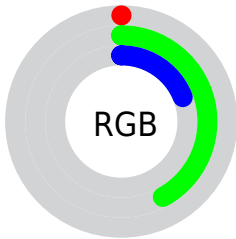
Format	Color
RYB	0, 73, 107
Decimal	27441
CIELab	39.00, -40.66, 25.04
CIELCh	39, 47.754, 148.373
Yxy	10.6589, 0.2737, 0.5065
Android (android.graphics.Color)	4278217521 (0xFF006B31)
YUV	68.3950, -9.5617, -59.9824
Hunter-Lab	32.6480, -25.6361, 14.4532

Details

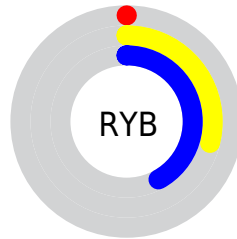
The CIELCh color $[39, 47.754, 148.373]$ is a dark color, and the websafe version is hex `006633`. A complement of this color would be $[22, 45.399, 355.898]$, and the grayscale version is $[29, 0.005, 296.813]$.

A 20% lighter version of the original color is $[59, 47.267, 148.599]$, and $[20, 39.685, 138.432]$ is the 20% darker color. If you saturate the color by 10%, you get $[39, 47.702, 148.318]$, and if you desaturate by 10%, it is $[39, 44.432, 150.161]$.

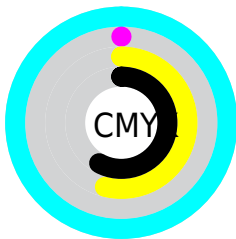
Distribution



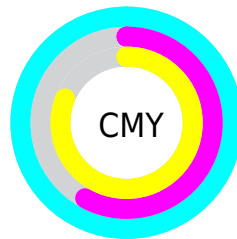
- Red (0%)
- Green (42%)
- Blue (19%)



- Red (0%)
- Yellow (29%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (54%)
- Black (58%)





- Cyan (100%)
- Magenta (58%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 47.754, 148.373 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, 47.754, 148.373 by changing the saturation by 10% instead.

 39, 47.754,
148.373


 39, 47.754,
148.373

 100, 47.754,
148.373


 29, 47.754,
148.373

 59, 47.754,
148.373


 19, 47.754,
148.373


 69, 47.754,
148.373

 9, 47.754, 148.373

 79, 47.754,
148.373

 0, 47.754, 148.373

 89, 47.754,
148.373

 99, 47.754,
148.373

■ 39, 47.754,
148.373

■ 39, 47.754,
148.373

■ 39, 47.702,
148.318

■ 39, 44.432,
150.161

■ 39, 40.870,
152.049

■ 40, 36.817,
153.751

■ 40, 32.311,
155.268

■ 41, 27.417,
156.612

■ 41, 22.216,
157.802

■ 42, 16.795,
158.859

■ 43, 11.237,

159.804

■ 44, 5.617, 160.666

Harmonies

Complementary

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



39, 47.754, 148.373



22, 45.399, 355.898

Rectangle

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



39, 47.754, 148.373



39, 47.754, 198.373



39, 47.754, 328.373



39, 47.754, 18.373

Sweetspot

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



39, 47.702, 148.318



54, 20.703, 158.778



40, 56.101, 125.456



27, 13.990, 158.467



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, 47.702, 148.318



50, 58.086, 147.656



40, 27.451, 189.354



22, 3.166, 160.753



43, 51.320, 148.053



85, 91.001, 146.634

Inverse Universe

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



22, 45.399, 355.898



29, 54.306, 356.953



21, 51.364, 34.537



21, 3.197, 342.007



24, 48.495, 356.314



53, 82.793, 358.676

Previews

White Background



This preview shows how the CIELCh color 39, 47.754, 148.373 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 39, 47.754, 148.373 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, 47.754, 148.373

Background



This preview shows how black text looks on a background with the CIELCh color 39, 47.754, 148.373.



This preview shows how white text looks on a background with the CIELCh color 39, 47.754, 148.373.

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, 47.754, 148.373

Protanopia
39, 28.908, 95.826

Deuteranopia
39, 23.947, 77.570



Tritanopia
39, 19.147, 212.258

Trichromacy



Original Color
39, 47.754, 148.373

Protanomaly
38, 33.508, 131.064

Deuteranomaly
37, 27.993, 129.124

Tritanomaly
39, 26.898, 174.653

Monochromacy



Original Color
39, 47.754, 148.373

Achromatopsia
29, 0.005, 296.813

Achromatomaly
32, 21.022, 157.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 47.754, 148.373 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, 107, 49)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 49)  
}
```

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, 107, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 47.754, 148.373 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, 107, 49) }
```

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

```
.border{ border-color:rgb(0, 107, 49) }
```

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

Here you see how a box with a 4 pixel rgb(0, 107, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 49);  
box-shadow:4px 4px 4px 4px rgb(0, 107, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 47.754, 148.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 49) }
```

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

```
.background{ background-color: rgb(0, 107,  
49) }
```

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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