

Converting Colors

CIELCh(43, 107.295, 172.576)

Have a look what the booklet for
CIELCh(43, 107.295, 172.576)
contains.

CIELCh(48, 49.116, 154.275)	3
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Color

CIELCh(48, 49.116, 154.275)

Conversions

Conversions Part 1

Format	Color
Hex	00834C
RGB	0, 131, 76
RGB Percent	0%, 51%, 30%
CMY	0.9985, 0.4857, 0.7015
CMYK	1.00, 0.00, 0.42, 0.49
HSL	155°, 99%, 26%
HSV	155°, 100%, 51%
XYZ	9.4476, 16.7945, 9.6033
YIQ	85.5610, -60.4210, -44.8770

Conversions

Conversions Part 2

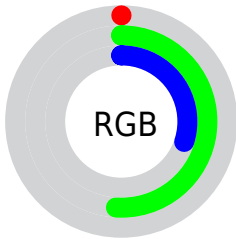
Format	Color
RYB	0, 83, 131
Decimal	33612
CIELab	48.00, -44.25, 21.32
CIELCh	48, 49.116, 154.275
Yxy	16.7945, 0.2636, 0.4685
Android (android.graphics.Color)	4278223692 (0xFF00834C)
YUV	85.5610, -4.7136, -75.0370
Hunter-Lab	40.9810, -30.5660, 14.7930

Details

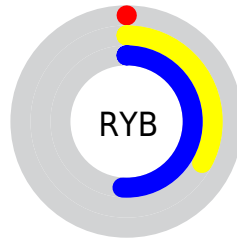
The CIELCh color **48, 49.116, 154.275** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **27, 51.489, 7.965**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 49.349, 154.172**, and **29, 40.774, 146.296** is the 20% darker color. If you saturate the color by 10%, you get **48, 49.203, 154.220**, and if you desaturate by 10%, it is **48, 46.065, 156.307**.

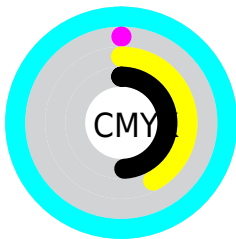
Distribution



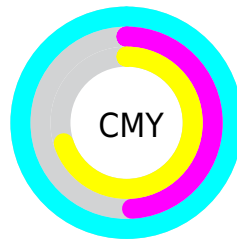
- Red (0%)
- Green (51%)
- Blue (30%)



- Red (0%)
- Yellow (33%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (49%)




- Cyan (100%)
- Magenta (49%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 49.116, 154.275 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 48, 49.116, 154.275 by changing the saturation by 10% instead.


 48, 49.116,
154.275


 48, 49.116,
154.275


 100, 49.116,
154.275

 38, 49.116,
154.275

 68, 49.116,
154.275

 28, 49.116,
154.275

 78, 49.116,
154.275

 18, 49.116,
154.275

 88, 49.116,
154.275

 8, 49.116, 154.275

 98, 49.116,
154.275

 0, 49.116, 154.275

 48, 49.116,

 48, 49.116,

154.275

■ 48, 49.203,
154.220

154.275

■ 48, 46.065,
156.307

■ 48, 42.624,
158.274

■ 49, 38.621,
160.042

■ 49, 34.078,
161.620

■ 50, 29.054,
163.026

■ 51, 23.633,
164.281

■ 52, 17.909,
165.409

■ 53, 11.976,
166.433

Harmonies

Complementary

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



48, 49.116, 154.275



27, 51.489, 7.965

Rectangle

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



48, 49.116, 154.275



48, 49.116, 204.275



48, 49.116, 334.275



48, 49.116, 24.275

Sweetspot

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



48, 49.116, 154.275



66, 22.422, 165.304



48, 67.569, 129.610



34, 15.352, 164.906



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 49.116, 154.275



62, 60.353, 153.647



47, 28.133, 207.353



27, 3.470, 167.439



48, 48.890, 154.241



1, 0.834, 168.164

Inverse Universe

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



27, 51.489, 7.965



36, 62.618, 9.334



27, 61.511, 39.781



26, 3.527, 348.885



27, 51.245, 8.032



0, 0.834, 348.153

Previews

White Background



This preview shows how the CIELCh color 48, 49.116, 154.275 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 48, 49.116, 154.275 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 48, 49.116, 154.275

Background



This preview shows how black text looks on a background with the CIELCh color 48, 49.116, 154.275.



This preview shows how white text looks on a background with the CIELCh color 48, 49.116, 154.275.

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
48, 49.116, 154.275

Protanopia
48, 26.472, 96.532

Deuteranopia
48, 20.479, 72.479



Tritanopia
48, 23.424, 211.913

Trichromacy



Original Color
48, 49.116, 154.275



Protanomaly
46, 32.865, 138.126



Deuteranomaly
46, 25.909, 137.608

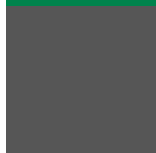


Tritanomaly
48, 30.482, 180.416

Monochromacy



Original Color
48, 49.116, 154.275



Achromatopsia
37, 0.005, 296.813



Achromatomaly
39, 22.204, 163.374

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 49.116, 154.275 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, 131, 76)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 76)  
}
```

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, 131, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 49.116, 154.275 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, 131, 76) }
```

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

```
.border{ border-color:rgb(0, 131, 76) }
```

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

Here you see how a box with a 4 pixel rgb(0, 131, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 76);  
box-shadow:4px 4px 4px 4px rgb(0, 131, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 49.116, 154.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 76) }
```

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

```
.background{ background-color: rgb(0, 131,  
76) }
```

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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