

Converting Colors

CIELCh(48, 42.124, 162.966)

Have a look what the booklet for
CIELCh(48, 42.124, 162.966)
contains.

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Color

CIELCh(48, 41.985, 163.163)

Conversions

Conversions Part 1

Format	Color
Hex	01825C
RGB	1, 130, 92
RGB Percent	0%, 51%, 36%
CMY	0.9979, 0.4894, 0.6385
CMYK	1.00, 0.00, 0.29, 0.49
HSL	162°, 99%, 26%
HSV	162°, 100%, 51%
XYZ	9.9536, 16.7945, 12.8822
YIQ	87.0970, -64.6860, -39.1660

Conversions

Conversions Part 2

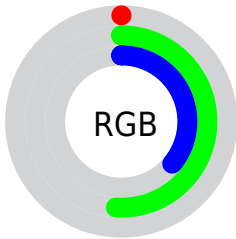
Format	Color
RYB	1, 77, 130
Decimal	98908
CIELab	48.00, -40.19, 12.16
CIELCh	48, 41.985, 163.163
Yxy	16.7945, 0.2512, 0.4238
Android (android.graphics.Color)	4278288988 (0xFF01825C)
YUV	87.0970, 2.4172, -75.5071
Hunter-Lab	40.9810, -28.3623, 10.0492

Details

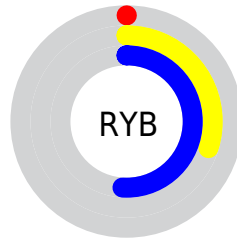
The CIELCh color **48, 41.985, 163.163** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **26, 52.777, 19.705**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 42.067, 162.857**, and **29, 33.385, 155.953** is the 20% darker color. If you saturate the color by 10%, you get **48, 42.077, 163.089**, and if you desaturate by 10%, it is **48, 39.727, 165.066**.

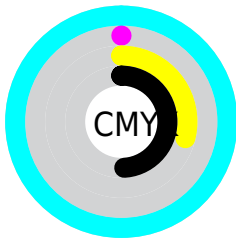
Distribution



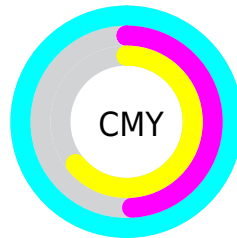
- Red (0%)
- Green (51%)
- Blue (36%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (49%)




- Cyan (100%)
- Magenta (49%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 41.985, 163.163 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, 41.985, 163.163 by changing the saturation by 10% instead.


 48, 41.985,
163.163


 48, 41.985,
163.163


 100, 41.985,
163.163


 38, 41.985,
163.163

 68, 41.985,
163.163


 28, 41.985,
163.163

 78, 41.985,
163.163

 18, 41.985,
163.163

 88, 41.985,
163.163

 8, 41.985, 163.163

 98, 41.985,
163.163

 0, 41.985, 163.163

 48, 41.985,

 48, 41.985,

163.163

163.163

■ 48, 42.077,
163.089

■ 48, 39.727,
165.066

■ 48, 37.089,
166.891

■ 49, 33.890,
168.533

■ 49, 30.138,
170.009

■ 50, 25.881,
171.338

■ 51, 21.189,
172.545

■ 51, 16.148,
173.649

■ 52, 10.843,
174.674

Harmonies

Complementary

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



48, 41.985, 163.163



26, 52.777, 19.705

Rectangle

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



48, 41.985, 163.163



48, 41.985, 213.163



48, 41.985, 343.163



48, 41.985, 33.163

Sweetspot

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



48, 41.985, 163.162



65, 20.154, 173.534



48, 69.605, 132.762



33, 13.600, 173.154



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 41.985, 163.162



61, 51.173, 162.564



41, 26.577, 234.184



27, 3.199, 175.693



48, 42.043, 163.091



1, 0.772, 176.444

Inverse Universe

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



26, 52.777, 19.705



35, 64.297, 21.289



28, 58.685, 43.453



26, 3.283, 357.202



26, 52.876, 19.877



0, 0.772, 356.430

Previews

White Background



This preview shows how the CIELCh color 48, 41.985, 163.163 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, 41.985, 163.163 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, 41.985, 163.163

Background



This preview shows how black text looks on a background with the CIELCh color 48, 41.985, 163.163.



This preview shows how white text looks on a background with the CIELCh color 48, 41.985, 163.163.

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, 41.928, 163.121

Protanopia
48, 17.448, 94.508

Deuteranopia
48, 11.631, 57.277



Tritanopia
48, 24.496, 211.148

Trichromacy



Original Color
48, 41.928, 163.121



Protanomaly
46, 25.282, 148.634



Deuteranomaly
46, 19.037, 154.225

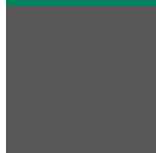


Tritanomaly
48, 29.314, 187.033

Monochromacy



Original Color
48, 41.928, 163.121



Achromatopsia
37, 0.005, 296.813



Achromatomaly
40, 19.986, 171.635

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 41.985, 163.163 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, 130, 92)` looks like.

```
.text, #text, p{  
    color:rgb(1, 130, 92)  
}
```

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, 130, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 130, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 41.985, 163.163 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, 130, 92) }
```

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

```
.border{ border-color:rgb(1, 130, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 130, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 130, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 130, 92);  
box-shadow:4px 4px 4px 4px rgb(1, 130, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 41.985, 163.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 130, 92) }
```

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

```
.background{ background-color: rgb(1, 130,  
92) }
```

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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