

Converting Colors

CIELCh(50, 41.877, 165.210)

Have a look what the booklet for
CIELCh(50, 41.877, 165.210)
contains.

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Color

CIELCh(50, 41.927, 165.316)

Conversions

Conversions Part 1

Format	Color
Hex	008864
RGB	0, 136, 100
RGB Percent	0%, 53%, 39%
CMY	1.0000, 0.4681, 0.6092
CMYK	1.00, 0.00, 0.27, 0.47
HSL	164°, 100%, 27%
HSV	164°, 100%, 53%
XYZ	11.0357, 18.4187, 14.9441
YIQ	91.2320, -69.5000, -40.0280

Conversions

Conversions Part 2

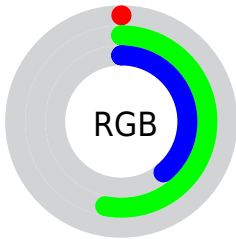
Format	Color
RYB	0, 78, 136
Decimal	34916
CIELab	50.00, -40.56, 10.63
CIELCh	50, 41.927, 165.316
Yxy	18.4187, 0.2486, 0.4148
Android (android.graphics.Color)	4278224996 (0xFF008864)
YUV	91.2320, 4.3226, -80.0105
Hunter-Lab	42.9170, -29.2052, 9.3966

Details

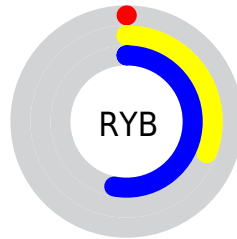
The CIELCh color **50, 41.927, 165.316** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **28, 55.304, 22.582**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **70, 41.729, 165.465**, and **31, 33.690, 158.273** is the 20% darker color. If you saturate the color by 10%, you get **50, 41.923, 165.313**, and if you desaturate by 10%, it is **50, 39.808, 167.175**.

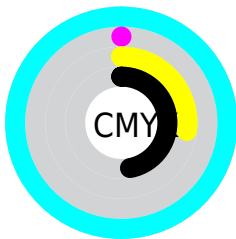
Distribution



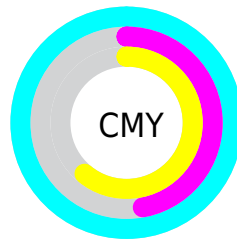
- Red (0%)
- Green (53%)
- Blue (39%)



- Red (0%)
- Yellow (31%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (47%)





- Cyan (100%)
- Magenta (47%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 41.927, 165.316 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 50, 41.927, 165.316 by changing the saturation by 10% instead.


 50, 41.927,
165.316


 50, 41.927,
165.316


 100, 41.927,
165.316


 40, 41.927,
165.316


 70, 41.927,
165.316

 30, 41.927,
165.316


 80, 41.927,
165.316


 20, 41.927,
165.316

 90, 41.927,
165.316

 10, 41.927,
165.316

 0, 41.927, 165.316

 50, 41.927,
165.316

 50, 41.927,
165.316

■ 50, 41.923,
165.313

■ 50, 39.808,
167.175

■ 50, 37.304,
168.959

■ 51, 34.214,
170.566

■ 51, 30.542,
172.011

■ 52, 26.332,
173.317

■ 53, 21.654,
174.506

■ 53, 16.594,
175.600

■ 54, 11.242,
176.618

■ 55, 5.683, 177.591

Harmonies

Complementary

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



50, 41.927, 165.316



28, 55.304, 22.582

Rectangle

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



50, 41.927, 165.316



50, 41.927, 215.316



50, 41.927, 345.316



50, 41.927, 35.316

Sweetspot

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



50, 41.923, 165.313



68, 20.498, 175.530



49, 72.416, 133.419



35, 13.991, 175.137



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



50, 41.923, 165.313



64, 51.106, 164.818



41, 27.996, 241.514



29, 3.249, 177.673



49, 41.212, 165.362



1, 1.522, 178.425

Inverse Universe

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



28, 55.304, 22.582



37, 67.498, 23.956



30, 60.154, 44.917



27, 3.344, 359.188



27, 54.361, 22.447



0, 1.522, 358.411

Previews

White Background



This preview shows how the CIELCh color 50, 41.927, 165.316 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 41.927, 165.316 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 41.927, 165.316

Background



This preview shows how black text looks on a background with the CIELCh color 50, 41.927, 165.316.



This preview shows how white text looks on a background with the CIELCh color 50, 41.927, 165.316.

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


50, 41.980, 165.352

Protanopia

50, 16.087, 95.454

Deuteranopia

50, 10.789, 52.742



Tritanopia
50, 25.370, 211.935

Trichromacy



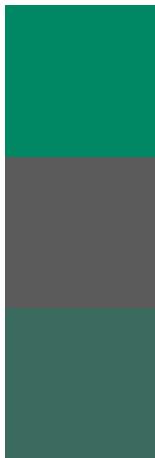
Original Color
50, 41.980, 165.352

Protanomaly
48, 24.972, 152.159

Deuteranomaly
48, 18.625, 158.278

Tritanomaly
50, 29.816, 189.589

Monochromacy



Original Color
50, 41.980, 165.352

Achromatopsia
39, 0.005, 296.813

Achromatomaly
42, 20.161, 173.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 41.927, 165.316 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, 136, 100)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 100)  
}
```

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, 136, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 41.927, 165.316 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, 136, 100) }
```

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

```
.border{ border-color:rgb(0, 136, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 136, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 100);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 41.927, 165.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 100) }
```

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

```
.background{ background-color: rgb(0, 136,  
100) }
```

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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