

Converting Colors

CIELCh(45, 104.900, 173.590)

Have a look what the booklet for
CIELCh(45, 104.900, 173.590)
contains.

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Color

CIELCh(50, 48.426, 156.533)

Conversions

Conversions Part 1

Format	Color
Hex	028954
RGB	2, 137, 84
RGB Percent	1%, 54%, 33%
CMY	0.9938, 0.4645, 0.6687
CMYK	0.99, 0.00, 0.38, 0.46
HSL	157°, 98%, 27%
HSV	157°, 99%, 54%
XYZ	10.5196, 18.4187, 11.4891
YIQ	90.5930, -63.4470, -45.1030

Conversions

Conversions Part 2

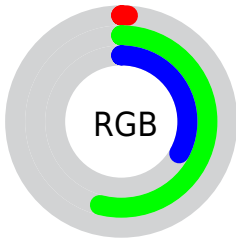
Format	Color
RYB	2, 86, 137
Decimal	166228
CIELab	50.00, -44.42, 19.28
CIELCh	50, 48.426, 156.533
Yxy	18.4187, 0.2602, 0.4556
Android (android.graphics.Color)	4278356308 (0xFF028954)
YUV	90.5930, -3.2503, -77.6961
Hunter-Lab	42.9170, -31.3516, 14.1696

Details

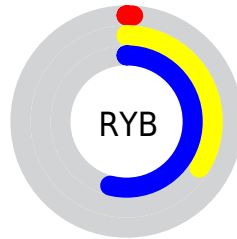
The CIELCh color **50, 48.426, 156.533** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **28, 53.005, 11.121**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **70, 48.604, 156.243**, and **31, 41.030, 148.340** is the 20% darker color. If you saturate the color by 10%, you get **50, 48.763, 156.307**, and if you desaturate by 10%, it is **50, 45.504, 158.584**.

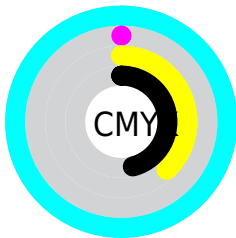
Distribution



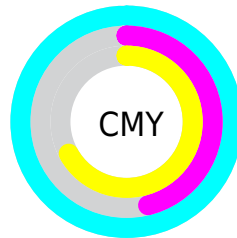
- Red (1%)
- Green (54%)
- Blue (33%)



- Red (1%)
- Yellow (34%)
- Blue (54%)



- Cyan (99%)
- Magenta (0%)
- Yellow (38%)
- Black (46%)





- Cyan (99%)
- Magenta (46%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 48.426, 156.533 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, 48.426, 156.533 by changing the saturation by 10% instead.


 50, 48.426,
156.533


 50, 48.426,
156.533


 100, 48.426,
156.533

 40, 48.426,
156.533


 70, 48.426,
156.533

 30, 48.426,
156.533


 80, 48.426,
156.533


 20, 48.426,
156.533

 90, 48.426,
156.533

 10, 48.426,
156.533

 0, 48.426, 156.533

 50, 48.426,
156.533

 50, 48.426,
156.533

■ 50, 48.763,
156.307

■ 50, 45.504,
158.584

■ 51, 42.137,
160.528

■ 51, 38.189,
162.274

■ 51, 33.682,
163.834

■ 52, 28.674,
165.227

■ 53, 23.251,
166.475

■ 54, 17.508,
167.603

■ 55, 11.542,
168.632

■ 56, 5.440, 169.599

Harmonies

Complementary

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



50, 48.426, 156.533



28, 53.005, 11.121

Rectangle

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



50, 48.426, 156.533



50, 48.426, 206.533



50, 48.426, 336.533



50, 48.426, 26.533

Sweetspot

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



50, 48.426, 156.533



69, 22.619, 167.404



50, 70.003, 130.533



35, 15.298, 167.000



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, 48.426, 156.533



64, 59.957, 155.753



47, 28.051, 213.536



29, 3.497, 169.568



49, 47.680, 156.376



1, 1.630, 170.312

Inverse Universe

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



28, 53.005, 11.121



38, 65.057, 12.909



28, 62.733, 40.479



27, 3.564, 351.054



27, 52.168, 11.449



0, 1.631, 350.300

Previews

White Background



This preview shows how the CIELCh color 50, 48.426, 156.533 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 CIE LCh color 50, 48.426, 156.533 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, 48.426, 156.533

Background



This preview shows how black text looks on a background with the CIELCh color 50, 48.426, 156.533.



This preview shows how white text looks on a background with the CIELCh color 50, 48.426, 156.533.

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, 48.851, 156.140

Protanopia
50, 24.222, 95.078

Deuteranopia
50, 18.069, 70.112



Tritanopia
50, 24.531, 211.076

Trichromacy



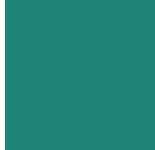
Original Color
50, 48.851, 156.140



Protanomaly
48, 31.423, 140.382



Deuteranomaly
48, 24.193, 141.926



Tritanomaly
50, 30.742, 182.988

Monochromacy



Original Color
50, 48.851, 156.140



Achromatopsia
38, 0.005, 296.813



Achromatomaly
41, 22.245, 165.639

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 48.426, 156.533 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(2, 137, 84)` looks like.

```
.text, #text, p{  
    color:rgb(2, 137, 84)  
}
```

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(2, 137, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 137, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 48.426, 156.533 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(2, 137, 84) }
```

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

```
.border{ border-color:rgb(2, 137, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 137, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 137, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 137, 84);  
box-shadow:4px 4px 4px 4px rgb(2, 137, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 50, 48.426, 156.533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 137, 84) }
```

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

```
.background{ background-color: rgb(2, 137,  
84) }
```

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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