

Converting Colors

CIELCh(50, 46.619, 158.448)

Have a look what the booklet for
CIELCh(50, 46.619, 158.448)
contains.

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Color

CIELCh(50, 46.616, 158.396)

Conversions

Conversions Part 1

Format	Color
Hex	048858
RGB	4, 136, 88
RGB Percent	2%, 53%, 35%
CMY	0.9850, 0.4656, 0.6539
CMYK	0.97, 0.00, 0.35, 0.47
HSL	158°, 95%, 27%
HSV	158°, 97%, 53%
XYZ	10.6621, 18.4187, 12.2801
YIQ	91.0600, -63.2640, -42.9120

Conversions

Conversions Part 2

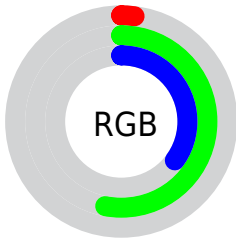
Format	Color
RYB	4, 85, 136
Decimal	297048
CIELab	50.00, -43.34, 17.16
CIELCh	50, 46.616, 158.396
Yxy	18.4187, 0.2578, 0.4453
Android (android.graphics.Color)	4278487128 (0xFF048858)
YUV	91.0600, -1.5086, -76.3516
Hunter-Lab	42.9170, -30.7588, 13.0769

Details

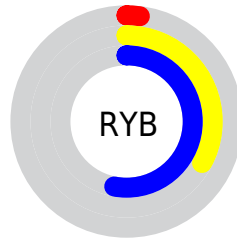
The CIELCh color **50, 46.616, 158.396** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **28, 52.714, 12.565**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 46.500, 158.399**, and **31, 38.669, 150.854** is the 20% darker color. If you saturate the color by 10%, you get **50, 47.386, 157.851**, and if you desaturate by 10%, it is **50, 43.806, 160.435**.

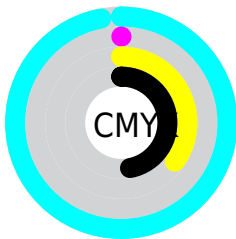
Distribution



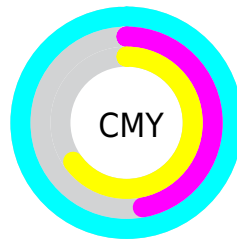
- Red (2%)
- Green (53%)
- Blue (35%)



- Red (2%)
- Yellow (33%)
- Blue (53%)



- Cyan (97%)
- Magenta (0%)
- Yellow (35%)
- Black (47%)





- Cyan (99%)
- Magenta (47%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 46.616, 158.396 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, 46.616, 158.396 by changing the saturation by 10% instead.


 50, 46.616,
158.396


 50, 46.616,
158.396


 100, 46.616,
158.396


 40, 46.616,
158.396


 70, 46.616,
158.396

 30, 46.616,
158.396


 80, 46.616,
158.396

 20, 46.616,
158.396

 90, 46.616,
158.396

 10, 46.616,
158.396

 0, 46.616, 158.396

 50, 46.616,
158.396

 50, 46.616,
158.396

■ 50, 47.386,
157.851

■ 50, 43.806,
160.435

■ 51, 40.498,
162.327

■ 51, 36.611,
164.025

■ 51, 32.169,
165.542

■ 52, 27.235,
166.901

■ 53, 21.894,
168.124

■ 54, 16.240,
169.233

■ 55, 10.367,
170.253

■ 56, 4.361, 171.226

Harmonies

Complementary

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



50, 46.616, 158.396



28, 52.714, 12.565

Rectangle

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



50, 46.616, 158.396



50, 46.616, 208.396



50, 46.616, 338.396



50, 46.616, 28.396

Sweetspot

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



50, 46.616, 158.396



68, 21.267, 168.974



50, 69.994, 131.289



35, 14.631, 168.562



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, 46.616, 158.396



64, 57.681, 157.324



46, 27.372, 219.820



29, 3.444, 171.033



49, 46.405, 157.915



1, 1.607, 171.783

Inverse Universe

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



28, 52.714, 12.565



37, 64.735, 15.065



29, 61.180, 41.075



27, 3.516, 352.534



27, 52.410, 13.627



0, 1.607, 351.771

Previews

White Background



This preview shows how the CIELCh color 50, 46.616, 158.396 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 50, 46.616, 158.396 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, 46.616, 158.396

Background



This preview shows how black text looks on a background with the CIELCh color 50, 46.616, 158.396.



This preview shows how white text looks on a background with the CIELCh color 50, 46.616, 158.396.

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, 46.563, 158.354

Protanopia

50, 21.901, 95.430

Deuteranopia

50, 16.362, 67.985



Tritanopia
50, 24.704, 210.961

Trichromacy



Original Color
50, 46.563, 158.354



Protanomaly
48, 29.512, 142.772



Deuteranomaly
48, 22.748, 144.335



Tritanomaly
50, 30.484, 184.035

Monochromacy



Original Color
50, 46.563, 158.354



Achromatopsia
39, 0.005, 296.813



Achromatomaly
42, 21.237, 167.879

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 46.616, 158.396 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(4, 136, 88)` looks like.

```
.text, #text, p{  
    color:rgb(4, 136, 88)  
}
```

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(4, 136, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 136, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 46.616, 158.396 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(4, 136, 88) }
```

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

```
.border{ border-color:rgb(4, 136, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 136, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 136, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 136, 88);  
box-shadow:4px 4px 4px 4px rgb(4, 136, 88)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 50, 46.616, 158.396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 136, 88) }
```

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

```
.background{ background-color: rgb(4, 136,  
88) }
```

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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