

Converting Colors

CIELCh(49, 38.505, 170.338)

Have a look what the booklet for
CIELCh(49, 38.505, 170.338)
contains.

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Color

CIELCh(49, 38.441, 170.212)

Conversions

Conversions Part 1	
Format	Color
Hex	018468
RGB	1, 132, 104
RGB Percent	0%, 52%, 41%
CMY	0.9966, 0.4812, 0.5911
CMYK	0.99, 0.00, 0.21, 0.48
HSL	167°, 99%, 26%
HSV	167°, 99%, 52%
XYZ	10.8153, 17.5941, 15.9973
YIQ	89.6390, -69.0880, -36.4800

Conversions

Conversions Part 2

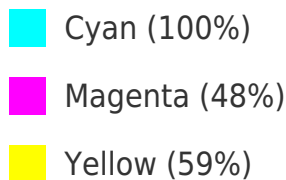
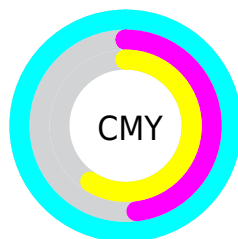
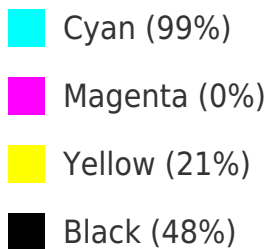
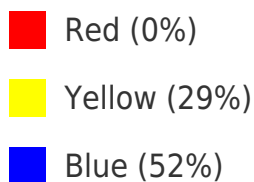
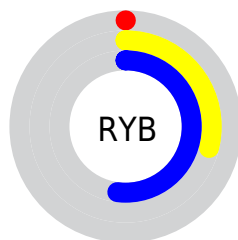
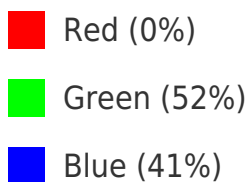
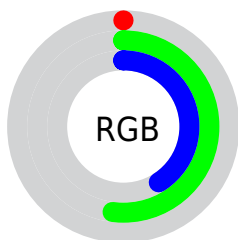
Format	Color
RYB	1, 74, 132
Decimal	99432
CIELab	49.00, -37.88, 6.54
CIELCh	49, 38.441, 170.212
Yxy	17.5941, 0.2436, 0.3962
Android (android.graphics.Color)	4278289512 (0xFF018468)
YUV	89.6390, 7.0800, -77.7364
Hunter-Lab	41.9453, -27.3791, 6.7494

Details

The CIELCh color **49, 38.441, 170.212** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **27, 55.568, 26.460**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **69, 38.463, 170.060**, and **30, 29.642, 164.180** is the 20% darker color. If you saturate the color by 10%, you get **49, 38.557, 170.104**, and if you desaturate by 10%, it is **49, 36.674, 171.906**.


Distribution




Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 38.441, 170.212 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 49, 38.441, 170.212 by changing the saturation by 10% instead.


 49, 38.441,
170.212

 49, 38.441,
170.212


 100, 38.441,
170.212

 39, 38.441,
170.212

 69, 38.441,
170.212

 29, 38.441,
170.212

 79, 38.441,
170.212

 19, 38.441,
170.212

 89, 38.441,
170.212

 9, 38.441, 170.212

 99, 38.441,
170.212

 0, 38.441, 170.212

 49, 38.441,


 49, 38.441,


170.212


170.212


 49, 38.557,
170.104


 49, 36.674,
171.906


 49, 34.497,
173.514


 50, 31.737,
174.965

 50, 28.395,
176.279

 51, 24.514,
177.476

 51, 20.158,
178.579

 52, 15.408,
179.605

 53, 10.351,
180.574

Harmonies

Complementary

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



49, 38.441, 170.212



27, 55.568, 26.460

Rectangle

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



49, 38.441, 170.212



49, 38.441, 220.212



49, 38.441, 350.212



49, 38.441, 40.212

Sweetspot

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



49, 38.441, 170.211



66, 19.358, 179.473



48, 71.576, 134.164



34, 13.198, 179.108



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 38.441, 170.211



62, 46.762, 169.651



38, 28.913, 251.164



27, 3.066, 181.536



48, 38.065, 170.139



1, 0.743, 182.262

Inverse Universe

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



27, 55.568, 26.460



36, 68.058, 28.095



30, 57.253, 47.215



26, 3.170, 3.004



26, 55.120, 26.641



0, 0.743, 2.247

Previews

White Background



This preview shows how the CIELCh color 49, 38.441, 170.212 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 49, 38.441, 170.212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

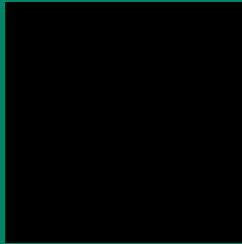
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 38.441, 170.212

Background



This preview shows how black text looks on a background with the CIELCh color 49, 38.441, 170.212.



This preview shows how white text looks on a background with the CIELCh color 49, 38.441, 170.212.

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

49, 38.384, 170.178

Protanopia

49, 12.067, 94.057

Deuteranopia

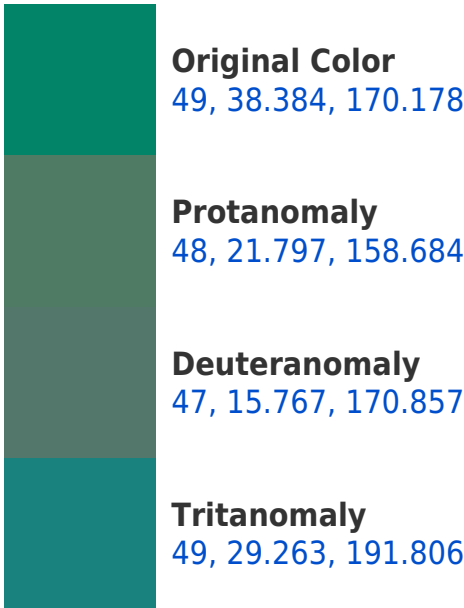
49, 7.779, 33.198



Tritanopia

49, 25.424, 210.515

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 38.441, 170.212 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, 132, 104)` looks like.

```
.text, #text, p{  
    color:rgb(1, 132, 104)  
}
```

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, 132, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 132, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 38.441, 170.212 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, 132, 104) }
```

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

```
.border{ border-color:rgb(1, 132, 104) }
```

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

Here you see how a box with a 4 pixel rgb(1, 132, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 132, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 132, 104);  
box-shadow:4px 4px 4px 4px rgb(1, 132,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 38.441, 170.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 132, 104) }
```

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

```
.background{ background-color: rgb(1, 132,  
104) }
```

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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