

Converting Colors

CIELCh(51, 42.647, 164.867)

Have a look what the booklet for
CIELCh(51, 42.647, 164.867)
contains.

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Color

CIELCh(51, 42.470, 164.925)

Conversions

Conversions Part 1

Format	Color
Hex	048A65
RGB	4, 138, 101
RGB Percent	2%, 54%, 40%
CMY	0.9833, 0.4572, 0.6024
CMYK	0.97, 0.00, 0.27, 0.46
HSL	163°, 94%, 28%
HSV	163°, 97%, 54%
XYZ	11.5678, 19.2686, 15.5190
YIQ	93.7160, -67.9870, -39.9150

Conversions

Conversions Part 2

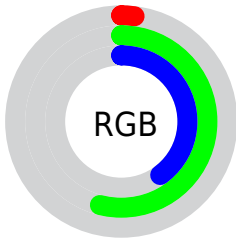
Format	Color
RYB	4, 82, 138
Decimal	297573
CIELab	51.00, -41.01, 11.05
CIELCh	51, 42.470, 164.925
Yxy	19.2686, 0.2495, 0.4157
Android (android.graphics.Color)	4278487653 (0xFF048A65)
YUV	93.7160, 3.5910, -78.6809
Hunter-Lab	43.8960, -29.7783, 9.7658

Details

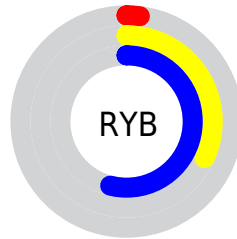
The CIELCh color **51, 42.470, 164.925** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **29, 54.737, 20.342**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 42.260, 165.091**, and **32, 34.391, 158.007** is the 20% darker color. If you saturate the color by 10%, you get **51, 43.147, 164.357**, and if you desaturate by 10%, it is **51, 40.200, 166.834**.

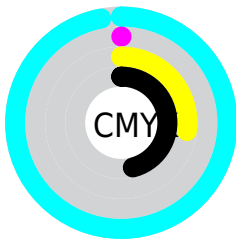
Distribution



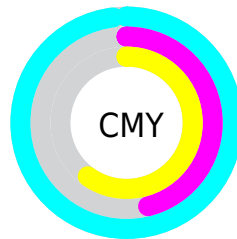
- Red (2%)
- Green (54%)
- Blue (40%)



- Red (2%)
- Yellow (32%)
- Blue (54%)



- Cyan (97%)
- Magenta (0%)
- Yellow (27%)
- Black (46%)





- Cyan (98%)
- Magenta (46%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 42.470, 164.925 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 51, 42.470, 164.925 by changing the saturation by 10% instead.


 51, 42.470,
164.925


 51, 42.470,
164.925


 100, 42.470,
164.925


 41, 42.470,
164.925


 71, 42.470,
164.925

 31, 42.470,
164.925

 81, 42.470,
164.925

 21, 42.470,
164.925

 91, 42.470,
164.925

 11, 42.470,
164.925

 1, 42.470, 164.925

 0, 42.470, 164.925

■ 51, 42.470,
164.925

■ 51, 42.470,
164.925

■ 51, 43.147,
164.357

■ 51, 40.200,
166.834

■ 52, 37.411,
168.593

■ 52, 34.025,
170.175

■ 52, 30.058,
171.598

■ 53, 25.566,
172.884

■ 54, 20.627,
174.055

■ 55, 15.332,
175.133

■ 56, 9.772, 176.141

Harmonies

Complementary

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



51, 42.470, 164.925



29, 54.737, 20.342

Rectangle

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



51, 42.470, 164.925



51, 42.470, 214.925



51, 42.470, 344.925



51, 42.470, 34.925

Sweetspot

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



51, 42.470, 164.924



70, 20.466, 174.848



50, 72.221, 133.083



36, 14.052, 174.441



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



51, 42.470, 164.924



66, 52.961, 163.850



43, 27.781, 237.018



29, 3.269, 176.899



49, 41.769, 164.450



1, 1.531, 177.653

Inverse Universe

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



29, 54.737, 20.342



38, 68.597, 23.152



31, 59.825, 44.048



27, 3.361, 358.417



27, 54.075, 21.510



0, 1.531, 357.639

Previews

White Background



This preview shows how the CIELCh color 51, 42.470, 164.925 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 51, 42.470, 164.925 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 51, 42.470, 164.925

Background



This preview shows how black text looks on a background with the CIELCh color 51, 42.470, 164.925.



This preview shows how white text looks on a background with the CIELCh color 51, 42.470, 164.925.

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


51, 42.418, 164.889

Protanopia

51, 16.578, 95.851

Deuteranopia

51, 11.121, 51.572



Tritanopia
51, 25.822, 211.599

Trichromacy



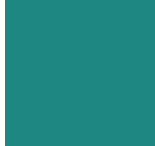
Original Color
51, 42.418, 164.889



Protanomaly
49, 25.061, 150.808



Deuteranomaly
49, 18.291, 157.647



Tritanomaly
51, 30.146, 189.708

Monochromacy



Original Color
51, 42.418, 164.889



Achromatopsia
40, 0.006, 296.813



Achromatomaly
43, 20.122, 174.086

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 42.470, 164.925 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, 138, 101)` looks like.

```
.text, #text, p{  
    color:rgb(4, 138, 101)  
}
```

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, 138, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 138, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 42.470, 164.925 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, 138, 101) }
```

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

```
.border{ border-color:rgb(4, 138, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 138, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 138, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 138, 101);  
box-shadow:4px 4px 4px 4px rgb(4, 138,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 42.470, 164.925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 138, 101) }
```

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

```
.background{ background-color: rgb(4, 138,  
101) }
```

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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