

Converting Colors

CIELCh(51, 47.396, 167.072)

Have a look what the booklet for
CIELCh(51, 47.396, 167.072)
contains.

CIELCh(52, 43.274, 164.719)	3
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Color

CIELCh(52, 43.274, 164.719)

Conversions

Conversions Part 1

Format	Color
Hex	048D67
RGB	4, 141, 103
RGB Percent	2%, 55%, 40%
CMY	0.9843, 0.4459, 0.5953
CMYK	0.97, 0.00, 0.27, 0.45
HSL	163°, 94%, 28%
HSV	163°, 97%, 55%
XYZ	12.0757, 20.1443, 16.1352
YIQ	95.7050, -69.4540, -40.8620

Conversions

Conversions Part 2

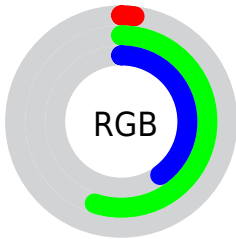
Format	Color
RYB	4, 84, 141
Decimal	298343
CIELab	52.00, -41.74, 11.41
CIELCh	52, 43.274, 164.719
Yxy	20.1443, 0.2497, 0.4166
Android (android.graphics.Color)	4278488423 (0xFF048D67)
YUV	95.7050, 3.5964, -80.4253
Hunter-Lab	44.8824, -30.5183, 10.1030

Details

The CIELCh color **52, 43.274, 164.719** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **29, 55.658, 20.431**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 43.513, 164.511**, and **33, 35.215, 157.993** is the 20% darker color. If you saturate the color by 10%, you get **52, 43.908, 164.191**, and if you desaturate by 10%, it is **52, 40.975, 166.641**.

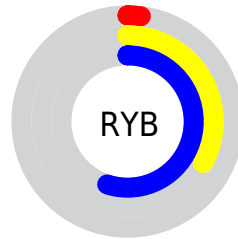
Distribution



Red (2%)

Green (55%)

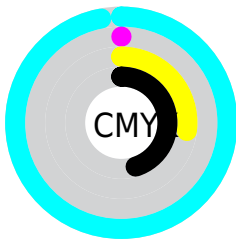
Blue (40%)



Red (2%)

Yellow (33%)

Blue (55%)

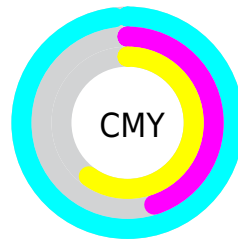


Cyan (97%)

Magenta (0%)

Yellow (27%)

Black (45%)



Cyan (98%)


Magenta (45%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 43.274, 164.719 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 52, 43.274, 164.719 by changing the saturation by 10% instead.


 52, 43.274,
164.719


 52, 43.274,
164.719


 100, 43.274,
164.719


 42, 43.274,
164.719


 72, 43.274,
164.719

 32, 43.274,
164.719

 82, 43.274,
164.719

 22, 43.274,
164.719

 92, 43.274,
164.719

 12, 43.274,
164.719

 2, 43.274, 164.719

 0, 43.274, 164.719

■ 52, 43.274,
164.719

■ 52, 43.274,
164.719

■ 52, 43.908,
164.191

■ 52, 40.975,
166.641

■ 53, 38.153,
168.414

■ 53, 34.722,
170.008

■ 53, 30.698,
171.441

■ 54, 26.138,
172.735

■ 55, 21.120,
173.914

■ 56, 15.737,
174.998

■ 57, 10.083,

176.009

■ 58, 4.245, 176.992

Harmonies

Complementary

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



52, 43.274, 164.719



29, 55.658, 20.431

Rectangle

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



52, 43.274, 164.719



52, 43.274, 214.719



52, 43.274, 344.719



52, 43.274, 34.719

Sweetspot

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



52, 43.274, 164.718



71, 20.720, 174.739



51, 73.428, 133.108



36, 14.067, 174.334



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



52, 43.274, 164.718



66, 53.633, 163.703



43, 28.233, 237.180



30, 3.372, 176.788



50, 42.453, 164.286



2, 2.298, 177.548

Inverse Universe

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



29, 55.658, 20.431



39, 69.286, 23.086



31, 60.982, 44.076



28, 3.467, 358.319



28, 54.822, 21.495



0, 2.298, 357.535

Previews

White Background



This preview shows how the CIE LCh color 52, 43.274, 164.719 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 52, 43.274, 164.719 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 52, 43.274, 164.719

Background



This preview shows how black text looks on a background with the CIELCh color 52, 43.274, 164.719.



This preview shows how white text looks on a background with the CIELCh color 52, 43.274, 164.719.

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

52, 43.200, 164.732

Protanopia

52, 16.632, 94.418

Deuteranopia

52, 11.402, 53.941



Tritanopia
52, 26.273, 211.278

Trichromacy



Original Color
52, 43.200, 164.732

Protanomaly
50, 25.911, 151.095

Deuteranomaly
50, 18.906, 157.074

Tritanomaly
52, 30.802, 188.759

Monochromacy



Original Color
52, 43.200, 164.732

Achromatopsia
41, 0.006, 296.813

Achromatomaly
44, 20.094, 174.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 43.274, 164.719 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, 141, 103)` looks like.

```
.text, #text, p{  
    color:rgb(4, 141, 103)  
}
```

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, 141, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 141, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 43.274, 164.719 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, 141, 103) }
```

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

```
.border{ border-color:rgb(4, 141, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 141, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 141, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 141, 103);  
box-shadow:4px 4px 4px 4px rgb(4, 141,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 43.274, 164.719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 141, 103) }
```

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

```
.background{ background-color: rgb(4, 141,  
103) }
```

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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