

Converting Colors

CIELCh(50, 44.039, 162.273)

Have a look what the booklet for
CIELCh(50, 44.039, 162.273)
contains.

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Color

CIELCh(50, 43.940, 162.333)

Conversions

Conversions Part 1

Format	Color
Hex	00885F
RGB	0, 136, 95
RGB Percent	0%, 53%, 37%
CMY	1.0000, 0.4669, 0.6276
CMYK	1.00, 0.00, 0.30, 0.47
HSL	162°, 100%, 27%
HSV	162°, 100%, 53%
XYZ	10.8588, 18.4187, 13.7982
YIQ	90.6620, -67.8950, -41.5830

Conversions

Conversions Part 2

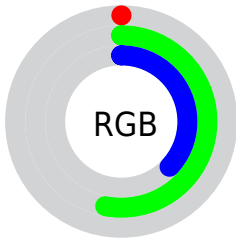
Format	Color
RYB	0, 80, 136
Decimal	34911
CIELab	50.00, -41.87, 13.34
CIELCh	50, 43.940, 162.333
Yxy	18.4187, 0.2521, 0.4276
Android (android.graphics.Color)	4278224991 (0xFF00885F)
YUV	90.6620, 2.1386, -79.5106
Hunter-Lab	42.9170, -29.9408, 10.9795

Details

The CIELCh color **50, 43.940, 162.333** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **28, 54.477, 19.393**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **70, 43.701, 162.720**, and **31, 35.491, 155.339** is the 20% darker color. If you saturate the color by 10%, you get **50, 43.933, 162.328**, and if you desaturate by 10%, it is **50, 41.577, 164.267**.

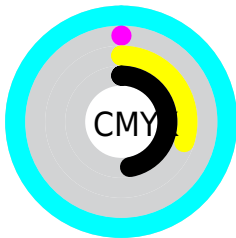
Distribution



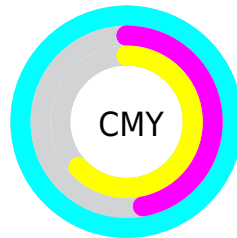
- Red (0%)
- Green (53%)
- Blue (37%)



- Red (0%)
- Yellow (31%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (47%)





- Cyan (100%)
- Magenta (47%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 43.940, 162.333 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, 43.940, 162.333 by changing the saturation by 10% instead.


 50, 43.940,
162.333


 50, 43.940,
162.333


 100, 43.940,
162.333


 40, 43.940,
162.333


 70, 43.940,
162.333

 30, 43.940,
162.333


 80, 43.940,
162.333


 20, 43.940,
162.333

 90, 43.940,
162.333

 10, 43.940,
162.333

 0, 43.940, 162.333

 50, 43.940,
162.333

 50, 43.940,
162.333

■ 50, 43.933,
162.328

■ 50, 41.577,
164.267

■ 50, 38.832,
166.130

■ 51, 35.505,
167.805

■ 51, 31.604,
169.309

■ 52, 27.175,
170.662

■ 53, 22.293,
171.887

■ 53, 17.044,
173.007

■ 54, 11.522,
174.042

■ 56, 5.814, 175.023

Harmonies

Complementary

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



50, 43.940, 162.333



28, 54.477, 19.393

Rectangle

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



50, 43.940, 162.333



50, 43.940, 212.333



50, 43.940, 342.333



50, 43.940, 32.333

Sweetspot

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



50, 43.933, 162.328



68, 21.017, 172.937



50, 71.729, 132.497



35, 14.357, 172.535



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, 43.933, 162.328



64, 53.509, 161.817



43, 27.326, 230.932



29, 3.317, 175.105



49, 43.108, 162.383



1, 1.552, 175.862

Inverse Universe

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



28, 54.477, 19.393



37, 66.257, 20.748



29, 61.474, 43.007



27, 3.403, 356.626



27, 53.464, 19.245



0, 1.552, 355.848

Previews

White Background



This preview shows how the CIELCh color 50, 43.940, 162.333 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 50, 43.940, 162.333 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, 43.940, 162.333

Background



This preview shows how black text looks on a background with the CIELCh color 50, 43.940, 162.333.



This preview shows how white text looks on a background with the CIELCh color 50, 43.940, 162.333.

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, 43.940, 162.333

Protanopia

50, 18.441, 95.247

Deuteranopia

50, 12.656, 60.046



Tritanopia
50, 25.050, 212.157

Trichromacy



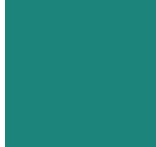
Original Color
50, 43.940, 162.333



Protanomaly
48, 27.183, 148.036



Deuteranomaly
48, 20.039, 152.670



Tritanomaly
50, 30.136, 187.355

Monochromacy



Original Color
50, 43.940, 162.333



Achromatopsia
39, 0.005, 296.813



Achromatomaly
42, 20.814, 171.010

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 43.940, 162.333 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(0, 136, 95)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 95)  
}
```

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(0, 136, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 43.940, 162.333 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(0, 136, 95) }
```

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

```
.border{ border-color:rgb(0, 136, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 136, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 95);  
box-shadow:4px 4px 4px 4px rgb(0, 136, 95)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 50, 43.940, 162.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 95) }
```

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

```
.background{ background-color: rgb(0, 136,  
95) }
```

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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