

Converting Colors

CIELCh(50, 44.321, 161.501)

Have a look what the booklet for
CIELCh(50, 44.321, 161.501)
contains.

CIELCh(50, 44.233, 161.682)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(50, 44.233, 161.682)

Conversions

Conversions Part 1

Format	Color
Hex	02885E
RGB	2, 136, 94
RGB Percent	1%, 53%, 37%
CMY	0.9925, 0.4668, 0.6315
CMYK	0.99, 0.00, 0.31, 0.47
HSL	161°, 97%, 27%
HSV	161°, 99%, 53%
XYZ	10.8422, 18.4187, 13.5660
YIQ	91.1460, -66.3820, -41.4700

Conversions

Conversions Part 2

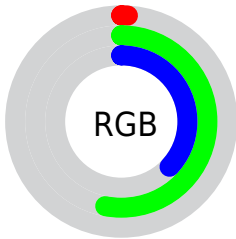
Format	Color
RYB	2, 81, 136
Decimal	165982
CIELab	50.00, -41.99, 13.90
CIELCh	50, 44.233, 161.682
Yxy	18.4187, 0.2532, 0.4301
Android (android.graphics.Color)	4278356062 (0xFF02885E)
YUV	91.1460, 1.4070, -78.1810
Hunter-Lab	42.9170, -30.0100, 11.3004

Details

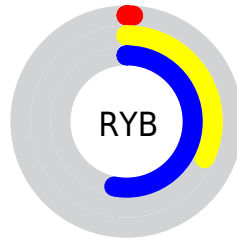
The CIELCh color **50, 44.233, 161.682** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **28, 53.764, 17.702**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 43.876, 162.024**, and **31, 35.945, 154.650** is the 20% darker color. If you saturate the color by 10%, you get **50, 44.575, 161.417**, and if you desaturate by 10%, it is **50, 41.779, 163.653**.

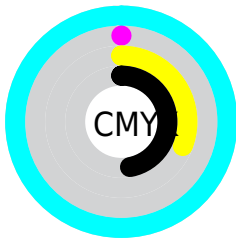
Distribution



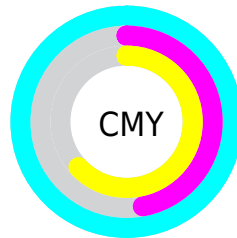
- Red (1%)
- Green (53%)
- Blue (37%)



- Red (1%)
- Yellow (32%)
- Blue (53%)



- Cyan (99%)
- Magenta (0%)
- Yellow (31%)
- Black (47%)



- Cyan (99%)
- Magenta (47%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 44.233, 161.682 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, 44.233, 161.682 by changing the saturation by 10% instead.

 50, 44.233,
161.682

 50, 44.233,
161.682

 100, 44.233,
161.682

 40, 44.233,
161.682

 70, 44.233,
161.682

 30, 44.233,
161.682

 80, 44.233,
161.682

 20, 44.233,
161.682

 90, 44.233,
161.682

 10, 44.233,
161.682

 0, 44.233, 161.682

 50, 44.233,
161.682

 50, 44.233,
161.682

■ 50, 44.575,
161.417

■ 50, 41.779,
163.653

■ 50, 38.877,
165.509

■ 51, 35.392,
167.177

■ 51, 31.341,
168.673

■ 52, 26.774,
170.018

■ 53, 21.770,
171.235

■ 54, 16.418,
172.347

■ 55, 10.812,
173.374

■ 56, 5.036, 174.354

Harmonies

Complementary

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



50, 44.233, 161.682



28, 53.764, 17.702

Rectangle

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



50, 44.233, 161.682



50, 44.233, 211.682



50, 44.233, 341.682



50, 44.233, 31.682

Sweetspot

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



50, 44.233, 161.681



68, 21.193, 172.126



50, 71.261, 132.460



35, 14.481, 171.722



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, 44.233, 161.681



64, 54.301, 160.901



43, 27.224, 230.515



29, 3.340, 174.298



49, 43.733, 161.474



1, 1.562, 175.055

Inverse Universe

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



28, 53.764, 17.702



37, 65.907, 19.679



29, 60.716, 42.861



27, 3.423, 355.818



27, 53.216, 18.184



0, 1.562, 355.042

Previews

White Background



This preview shows how the CIELCh color 50, 44.233, 161.682 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, 44.233, 161.682 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, 44.233, 161.682

Background



This preview shows how black text looks on a background with the CIELCh color 50, 44.233, 161.682.



This preview shows how white text looks on a background with the CIELCh color 50, 44.233, 161.682.

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, 44.233, 161.682

Protanopia

50, 19.003, 95.517

Deuteranopia

50, 13.405, 60.590



Tritanopia
50, 25.050, 212.157

Trichromacy



Original Color
50, 44.233, 161.682



Protanomaly
48, 27.400, 146.745



Deuteranomaly
48, 20.216, 150.846



Tritanomaly
50, 30.015, 187.330

Monochromacy



Original Color
50, 44.233, 161.682



Achromatopsia
39, 0.005, 296.813



Achromatomaly
42, 20.538, 170.677

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 44.233, 161.682 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(2, 136, 94)` looks like.

```
.text, #text, p{  
    color:rgb(2, 136, 94)  
}
```

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(2, 136, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 136, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 44.233, 161.682 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(2, 136, 94) }
```

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

```
.border{ border-color:rgb(2, 136, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 136, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 136, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 136, 94);  
box-shadow:4px 4px 4px 4px rgb(2, 136, 94)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 50, 44.233, 161.682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 136, 94) }
```

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

```
.background{ background-color: rgb(2, 136,  
94) }
```

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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