

Converting Colors

CIELCh(50, 30.646, 170.688)

Have a look what the booklet for
CIELCh(50, 30.646, 170.688)
contains.

CIELCh(50, 30.383, 171.206)	3
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Color

CIELCh(50, 30.383, 171.206)

Conversions

Conversions Part 1

Format	Color
Hex	34846E
RGB	52, 132, 110
RGB Percent	20%, 52%, 43%
CMY	0.7953, 0.4816, 0.5679
CMYK	0.61, 0.00, 0.17, 0.48
HSL	163°, 43%, 36%
HSV	163°, 61%, 52%
XYZ	12.5277, 18.4187, 17.6978
YIQ	105.5720, -40.6180, -23.8020

Conversions

Conversions Part 2

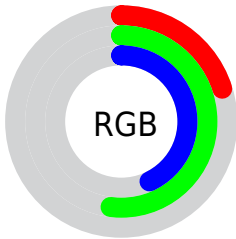
Format	Color
R_{YB}	52, 98, 132
Decimal	3441774
CIE _{Lab}	50.00, -30.03, 4.65
CIE _{LCh}	50, 30.383, 171.206
Yxy	18.4187, 0.2575, 0.3786
Android (android.graphics.Color)	4281631854 (0xFF34846E)
YUV	105.5720, 2.1830, -46.9826
Hunter-Lab	42.9170, -22.9995, 5.5923

Details

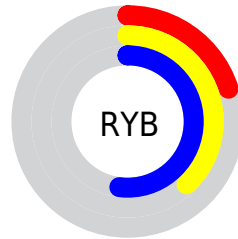
The CIELCh color **50, 30.383, 171.206** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **34, 36.773, 6.476**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 30.374, 171.306**, and **30, 28.122, 168.476** is the 20% darker color. If you saturate the color by 10%, you get **50, 34.019, 169.740**, and if you desaturate by 10%, it is **51, 26.223, 172.527**.

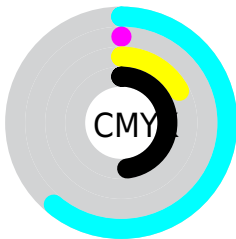
Distribution



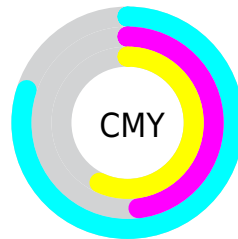
- Red (20%)
- Green (52%)
- Blue (43%)



- Red (20%)
- Yellow (38%)
- Blue (52%)



- Cyan (61%)
- Magenta (0%)
- Yellow (17%)
- Black (48%)





- Cyan (80%)
- Magenta (48%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 30.383, 171.206 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, 30.383, 171.206 by changing the saturation by 10% instead.


 50, 30.383,
171.206


 50, 30.383,
171.206


 100, 30.383,
171.206


 40, 30.383,
171.206


 70, 30.383,
171.206

 30, 30.383,
171.206


 80, 30.383,
171.206


 20, 30.383,
171.206

 90, 30.383,
171.206

 10, 30.383,
171.206

 0, 30.383, 171.206

 50, 30.383,
171.206

 50, 30.383,
171.206

■ 50, 34.019,
169.740

■ 51, 26.223,
172.527

■ 49, 37.087,
168.111

■ 51, 21.608,
173.729

■ 49, 39.586,
166.302

■ 52, 16.620,
174.831

■ 49, 41.628,
164.527

■ 53, 11.348,
175.855

■ 54, 5.876, 176.830

■ 55, 0.281, 178.931

■ 56, 5.372, 358.430

■ 58, 11.032,
359.263

■ 59, 16.656, 0.037

Harmonies

Complementary

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



50, 30.383, 171.206



34, 36.773, 6.476

Rectangle

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



50, 30.383, 171.206



50, 30.383, 221.206



50, 30.383, 351.206



50, 30.383, 41.206

Sweetspot

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



50, 30.383, 171.205



67, 12.317, 176.063



50, 50.316, 133.226



35, 8.598, 175.812



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



50, 30.383, 171.205



63, 42.649, 169.091



45, 21.384, 226.805



27, 3.166, 176.964



48, 41.118, 164.563



1, 0.765, 177.713

Inverse Universe

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



34, 36.773, 6.476



40, 53.382, 10.609



37, 33.532, 41.720



26, 3.255, 358.471



26, 53.308, 21.464



0, 0.765, 357.699

Previews

White Background



This preview shows how the CIELCh color 50, 30.383, 171.206 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 50, 30.383, 171.206 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, 30.383, 171.206

Background



This preview shows how black text looks on a background with the CIELCh color 50, 30.383, 171.206.

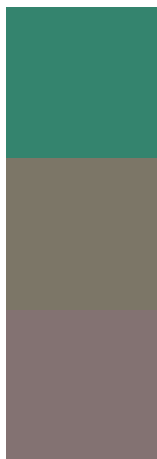


This preview shows how white text looks on a background with the CIELCh color 50, 30.383, 171.206.

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, 30.383, 171.206

Protanopia

50, 9.101, 92.751

Deuteranopia

50, 7.051, 20.175



Tritanopia
50, 21.348, 215.193

Trichromacy



Original Color
50, 30.383, 171.206

Protanomaly
49, 14.241, 153.635

Deuteranomaly
49, 8.950, 166.813

Tritanomaly
50, 23.184, 195.608

Monochromacy



Original Color
50, 30.383, 171.206

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 12.695, 175.966

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 30.383, 171.206 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(52, 132, 110)` looks like.

```
.text, #text, p{  
    color:rgb(52, 132, 110)  
}
```

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(52, 132, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 132, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 30.383, 171.206 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(52, 132, 110) }
```

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

```
.border{ border-color:rgb(52, 132, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 132, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 132, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 132, 110);  
box-shadow:4px 4px 4px 4px rgb(52, 132,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 30.383, 171.206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 132, 110) }
```

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

```
.background{ background-color: rgb(52, 132,  
110) }
```

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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