

Converting Colors

CIELCh(50, 30.374, 167.613)

Have a look what the booklet for
CIELCh(50, 30.374, 167.613)
contains.

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Color

CIELCh(50, 30.380, 167.559)

Conversions

Conversions Part 1

Format	Color
Hex	39846B
RGB	57, 132, 107
RGB Percent	22%, 52%, 42%
CMY	0.7767, 0.4825, 0.5806
CMYK	0.57, 0.00, 0.19, 0.48
HSL	160°, 40%, 37%
HSV	160°, 57%, 52%
XYZ	12.5808, 18.4187, 16.7896
YIQ	106.7250, -36.6750, -23.6750

Conversions

Conversions Part 2

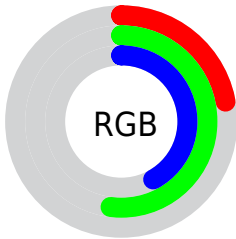
Format	Color
RYB	57, 102, 132
Decimal	3769451
CIELab	50.00, -29.67, 6.54
CIElCh	50, 30.380, 167.559
Yxy	18.4187, 0.2633, 0.3854
Android (android.graphics.Color)	4281959531 (0xFF39846B)
YUV	106.7250, 0.1356, -43.6088
Hunter-Lab	42.9170, -22.7786, 6.8470

Details

The CIELCh color **50, 30.380, 167.559** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **35, 34.961, 1.257**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 30.626, 166.946**, and **30, 28.942, 166.393** is the 20% darker color. If you saturate the color by 10%, you get **49, 34.557, 166.077**, and if you desaturate by 10%, it is **51, 25.722, 168.889**.

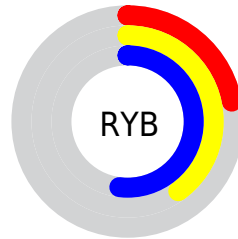
Distribution



Red (22%)

Green (52%)

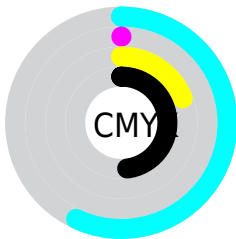
Blue (42%)



Red (22%)

Yellow (40%)

Blue (52%)

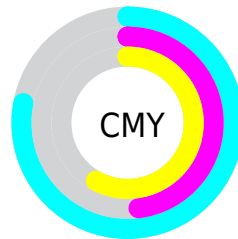


Cyan (57%)

Magenta (0%)

Yellow (19%)

Black (48%)



Cyan (78%)


Magenta (48%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 30.380, 167.559 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, 30.380, 167.559 by changing the saturation by 10% instead.


 50, 30.380,
167.559


 50, 30.380,
167.559


 100, 30.380,
167.559


 40, 30.380,
167.559


 70, 30.380,
167.559

 30, 30.380,
167.559


 80, 30.380,
167.559


 20, 30.380,
167.559

 90, 30.380,
167.559

 10, 30.380,
167.559

 0, 30.380, 167.559

 50, 30.380,
167.559

 50, 30.380,
167.559

■ 49, 34.557,
166.077

■ 51, 25.722,
168.889

■ 49, 38.193,
164.424

■ 51, 20.662,
170.092

■ 49, 41.263,
162.582

■ 52, 15.290,
171.189

■ 49, 43.846,
160.592

■ 53, 9.696, 172.203

■ 49, 44.644,
159.991

■ 54, 3.961, 173.181

■ 56, 1.842, 353.772

■ 57, 7.654, 354.725

■ 58, 13.429,
355.511

■ 60, 19.133,
356.246

Harmonies

Complementary

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



50, 30.380, 167.559



35, 34.961, 1.257

Rectangle

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



50, 30.380, 167.559



50, 30.380, 217.559



50, 30.380, 347.559



50, 30.380, 37.559

Sweetspot

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



50, 30.380, 167.558



68, 12.083, 172.150



50, 46.807, 131.985



35, 8.133, 171.985



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, 30.380, 167.558



63, 42.989, 165.651



47, 20.792, 218.574



27, 3.276, 172.953



48, 44.152, 160.025



1, 0.790, 173.703

Inverse Universe

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



35, 34.961, 1.257



41, 50.492, 4.386



37, 31.978, 37.452



26, 3.352, 354.456



27, 52.084, 16.235



0, 0.790, 353.690

Previews

White Background



This preview shows how the CIELCh color 50, 30.380, 167.559 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, 30.380, 167.559 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, 30.380, 167.559

Background



This preview shows how black text looks on a background with the CIELCh color 50, 30.380, 167.559.



This preview shows how white text looks on a background with the CIELCh color 50, 30.380, 167.559.

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, 30.380, 167.559

Protanopia

50, 10.904, 92.801

Deuteranopia

50, 7.750, 33.193



Tritanopia
50, 20.381, 214.377

Trichromacy



Original Color
50, 30.380, 167.559

Protanomaly
49, 15.058, 147.037

Deuteranomaly
49, 9.178, 153.905

Tritanomaly
50, 22.127, 194.088

Monochromacy



Original Color
50, 30.380, 167.559

Achromatopsia
45, 0.006, 296.813

Achromatomaly
47, 11.986, 171.588

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 30.380, 167.559 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(57, 132, 107)` looks like.

```
.text, #text, p{  
    color:rgb(57, 132, 107)  
}
```

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(57, 132, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 132, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 30.380, 167.559 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(57, 132, 107) }
```

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

```
.border{ border-color:rgb(57, 132, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 132, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 132, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 132, 107);  
box-shadow:4px 4px 4px 4px rgb(57, 132,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 30.380, 167.559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 132, 107) }
```

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

```
.background{ background-color: rgb(57, 132,  
107) }
```

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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