

Converting Colors

CIELCh(46, 69.937, 180.423)

Have a look what the booklet for
CIELCh(46, 69.937, 180.423)
contains.

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Color

CIELCh(50, 38.014, 171.976)

Conversions

Conversions Part 1

Format	Color
Hex	03876D
RGB	3, 135, 109
RGB Percent	1%, 53%, 43%
CMY	0.9894, 0.4710, 0.5731
CMYK	0.98, 0.00, 0.19, 0.47
HSL	168°, 96%, 27%
HSV	168°, 98%, 53%
XYZ	11.4362, 18.4187, 17.3780
YIQ	92.5680, -70.3260, -36.0700

Conversions

Conversions Part 2

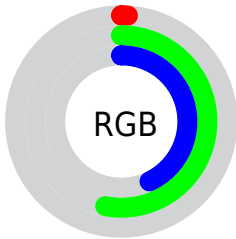
Format	Color
RYB	3, 76, 135
Decimal	231277
CIELab	50.00, -37.64, 5.31
CIELCh	50, 38.014, 171.976
Yxy	18.4187, 0.2421, 0.3900
Android (android.graphics.Color)	4278421357 (0xFF03876D)
YUV	92.5680, 8.1010, -78.5511
Hunter-Lab	42.9170, -27.5395, 6.0340

Details

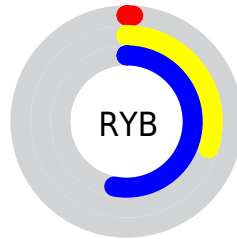
The CIELCh color **50, 38.014, 171.976** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **28, 56.358, 27.238**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 38.029, 171.703**, and **31, 29.234, 166.851** is the 20% darker color. If you saturate the color by 10%, you get **50, 38.349, 171.656**, and if you desaturate by 10%, it is **50, 36.310, 173.619**.

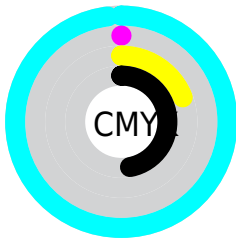
Distribution



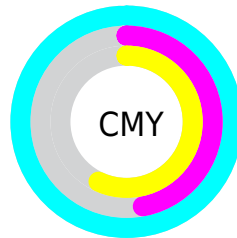
- Red (1%)
- Green (53%)
- Blue (43%)



- Red (1%)
- Yellow (30%)
- Blue (53%)



- Cyan (98%)
- Magenta (0%)
- Yellow (19%)
- Black (47%)





- Cyan (99%)
- Magenta (47%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 38.014, 171.976 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, 38.014, 171.976 by changing the saturation by 10% instead.


 50, 38.014,
171.976


 50, 38.014,
171.976


 100, 38.014,
171.976


 40, 38.014,
171.976


 70, 38.014,
171.976

 30, 38.014,
171.976


 80, 38.014,
171.976


 20, 38.014,
171.976

 90, 38.014,
171.976

 10, 38.014,
171.976

 0, 38.014, 171.976

 50, 38.014,
171.976

 50, 38.014,
171.976

■ 50, 38.349,
171.656

■ 50, 36.310,
173.619

■ 50, 34.128,
175.149

■ 51, 31.346,
176.532

■ 51, 27.971,
177.788

■ 52, 24.046,
178.938

■ 53, 19.641,
180.001

■ 53, 14.838,
180.997

■ 54, 9.723, 181.944

■ 55, 4.380, 182.878

Harmonies

Complementary

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



50, 38.014, 171.976



28, 56.358, 27.238

Rectangle

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



50, 38.014, 171.976



50, 38.014, 221.976



50, 38.014, 351.976



50, 38.014, 41.976

Sweetspot

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



50, 38.014, 171.975



68, 19.024, 180.836



49, 72.398, 134.419



35, 13.038, 180.467



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, 38.014, 171.975



64, 46.850, 171.213



38, 29.794, 253.827



27, 3.043, 182.771



48, 37.314, 171.726



1, 0.738, 183.486

Inverse Universe

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



28, 56.358, 27.238



37, 70.358, 29.460



31, 56.927, 48.091



26, 3.152, 4.219



26, 55.660, 27.896



0, 0.738, 3.470

Previews

White Background



This preview shows how the CIELCh color 50, 38.014, 171.976 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, 38.014, 171.976 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, 38.014, 171.976

Background



This preview shows how black text looks on a background with the CIELCh color 50, 38.014, 171.976.



This preview shows how white text looks on a background with the CIELCh color 50, 38.014, 171.976.

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, 37.994, 172.019

Protanopia

50, 10.904, 92.801

Deuteranopia

50, 7.522, 24.648



Tritanopia
50, 25.971, 211.531

Trichromacy



Original Color
50, 37.994, 172.019

Protanomaly
48, 20.950, 161.115

Deuteranomaly
48, 15.720, 173.303

Tritanomaly
50, 29.452, 193.023

Monochromacy



Original Color
50, 37.994, 172.019

Achromatopsia
39, 0.006, 296.813

Achromatomaly
42, 18.981, 178.519

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 38.014, 171.976 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(3, 135, 109)` looks like.

```
.text, #text, p{  
    color:rgb(3, 135, 109)  
}
```

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(3, 135, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 135, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 38.014, 171.976 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(3, 135, 109) }
```

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

```
.border{ border-color:rgb(3, 135, 109) }
```

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

Here you see how a box with a 4 pixel rgb(3, 135, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 135, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 135, 109);  
box-shadow:4px 4px 4px 4px rgb(3, 135,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 38.014, 171.976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 135, 109) }
```

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

```
.background{ background-color: rgb(3, 135,  
109) }
```

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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