

Converting Colors

CIELCh(80, 52.424, 107.381)

Have a look what the booklet for
CIELCh(80, 52.424, 107.381)
contains.

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Color

CIELCh(80, 52.182, 107.302)

Conversions

Conversions Part 1

Format	Color
Hex	C8CC66
RGB	200, 204, 102
RGB Percent	78%, 80%, 40%
CMY	0.2141, 0.1984, 0.5985
CMYK	0.02, 0.00, 0.50, 0.20
HSL	62°, 50%, 60%
HSV	62°, 50%, 80%
XYZ	48.0367, 56.6813, 21.0780
YIQ	191.1760, 30.3580, -32.5700

Conversions

Conversions Part 2

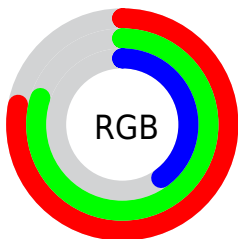
Format	Color
RYB	102, 204, 106
Decimal	13159526
CIELab	80.00, -15.52, 49.82
CIElCh	80, 52.182, 107.302
Yxy	56.6813, 0.3819, 0.4506
Android (android.graphics.Color)	4291349606 (0xFFC8CC66)
YUV	191.1760, -43.9638, 7.7386
Hunter-Lab	75.2870, -17.8606, 36.1015

Details

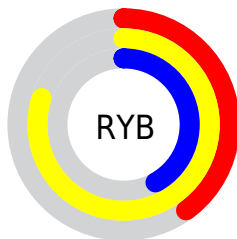
The CIELCh color **80, 52.182, 107.302** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **48, 59.862, 298.419**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 49.747, 106.373**, and **60, 52.253, 107.249** is the 20% darker color. If you saturate the color by 10%, you get **80, 61.304, 106.557**, and if you desaturate by 10%, it is **80, 42.326, 108.136**.

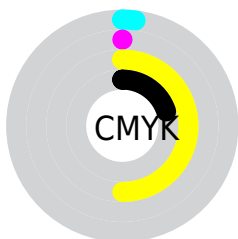
Distribution



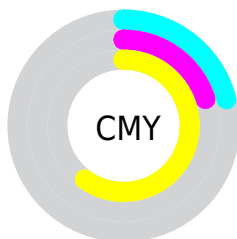
- Red (78%)
- Green (80%)
- Blue (40%)



- Red (40%)
- Yellow (80%)
- Blue (42%)



- Cyan (2%)
- Magenta (0%)
- Yellow (50%)
- Black (20%)





- Cyan (21%)
- Magenta (20%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 52.182, 107.302 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 80, 52.182, 107.302 by changing the saturation by 10% instead.


 80, 52.182,
107.302


 80, 52.182,
107.302


 100, 52.182,
107.302


 70, 52.182,
107.302

 60, 52.182,
107.302

 50, 52.182,
107.302

 40, 52.182,
107.302

 30, 52.182,
107.302

 20, 52.182,
107.302

 10, 52.182,

107.302

■ 0, 52.182, 107.302

■ 80, 52.182,
107.302

■ 80, 52.182,
107.302

■ 80, 61.304,
106.557

■ 80, 42.326,
108.136

■ 80, 69.289,
105.939

■ 81, 32.013,
109.017

■ 79, 75.638,
105.501

■ 81, 21.430,
109.921

■ 79, 79.884,
105.287

■ 82, 10.699,
110.826

■ 79, 82.120,
105.287


■ 82, 0.104, 292.209

■ 83, 10.926,

 79, 82.137,
105.287

292.604

 84, 21.732,
293.445

 84, 26.764,
294.124

 84, 26.776,
294.685

Harmonies

Complementary

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



80, 52.182, 107.302



48, 59.862, 298.419

Rectangle

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



80, 52.182, 107.302



80, 52.182, 157.302



80, 52.182, 287.302



80, 52.182, 337.302

Sweetspot

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



80, 52.183, 107.305



99, 19.349, 110.349



56, 43.395, 27.190



53, 13.192, 110.156



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 52.183, 107.305



97, 73.295, 106.498



77, 56.924, 127.935



43, 6.112, 110.873



65, 70.284, 105.251



14, 21.930, 107.686

Inverse Universe

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



48, 59.862, 298.419



52, 87.772, 300.527



53, 60.884, 312.625



39, 6.248, 292.622



19, 96.721, 306.419



1, 23.556, 293.458

Previews

White Background



This preview shows how the CIELCh color 80, 52.182, 107.302 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 80, 52.182, 107.302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

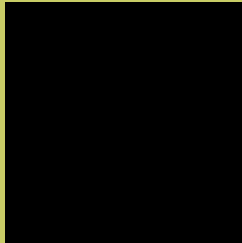
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 52.182, 107.302

Background



This preview shows how black text looks on a background with the CIELCh color 80, 52.182, 107.302.



This preview shows how white text looks on a background with the CIELCh color 80, 52.182, 107.302.

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
80, 52.182, 107.302

Protanopia
80, 51.354, 95.429

Deuteranopia
80, 49.927, 78.226



Tritanopia
80, 10.613, 331.429

Trichromacy



Original Color
80, 52.182, 107.302

Protanomaly
80, 51.159, 99.776

Deuteranomaly
80, 49.054, 89.054

Tritanomaly
80, 14.944, 92.219

Monochromacy



Original Color
80, 52.182, 107.302

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 20.160, 110.552

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 52.182, 107.302 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(200, 204, 102)` looks like.

```
.text, #text, p{  
    color:rgb(200, 204, 102)  
}
```

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(200, 204, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 204, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 52.182, 107.302 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(200, 204, 102) }
```

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

```
.border{ border-color:rgb(200, 204, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 204, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 204, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 204, 102);  
box-shadow:4px 4px 4px 4px rgb(200, 204,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 52.182, 107.302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 204, 102) }
```

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

```
.background{ background-color: rgb(200,  
204, 102) }
```

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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