

Converting Colors

CIELCh(78, 57.756, 118.567)

Have a look what the booklet for
CIELCh(78, 57.756, 118.567)
contains.

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Color

CIELCh(78, 58.034, 118.702)

Conversions

Conversions Part 1

Format	Color
Hex	ACCD5E
RGB	172, 205, 94
RGB Percent	67%, 80%, 37%
CMY	0.3257, 0.1962, 0.6315
CMYK	0.16, 0.00, 0.54, 0.20
HSL	78°, 53%, 59%
HSV	78°, 54%, 80%
XYZ	40.8407, 53.2120, 18.6974
YIQ	182.4790, 15.9630, -41.5170

Conversions

Conversions Part 2

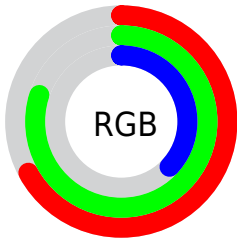
Format	Color
RYB	94, 205, 127
Decimal	11324766
CIELab	78.00, -27.87, 50.90
CIELCh	78, 58.034, 118.702
Yxy	53.2120, 0.3622, 0.4719
Android (android.graphics.Color)	4289514846 (0xFFACCD5E)
YUV	182.4790, -43.6201, -9.1901
Hunter-Lab	72.9466, -27.7193, 35.8656

Details

The CIELCh color **78, 58.034, 118.702** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **48, 65.592, 305.903**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 54.569, 116.854**, and **58, 58.295, 118.811** is the 20% darker color. If you saturate the color by 10%, you get **77, 67.184, 118.385**, and if you desaturate by 10%, it is **79, 48.043, 119.170**.

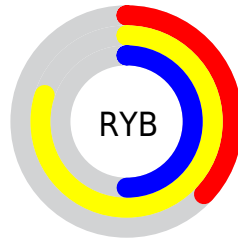
Distribution



Red (67%)

Green (80%)

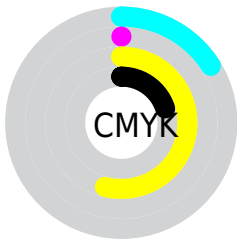
Blue (37%)



Red (37%)

Yellow (80%)

Blue (50%)

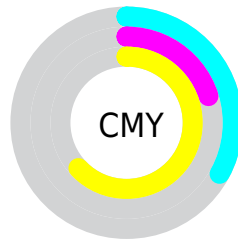


Cyan (16%)

Magenta (0%)

Yellow (54%)

Black (20%)



Cyan (33%)


Magenta (20%)


Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 58.034, 118.702 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 78, 58.034, 118.702 by changing the saturation by 10% instead.


 78, 58.034,
118.702


 78, 58.034,
118.702


 100, 58.034,
118.702


 68, 58.034,
118.702


 98, 58.034,
118.702

 58, 58.034,
118.702

 48, 58.034,
118.702

 38, 58.034,
118.702

 28, 58.034,
118.702

 18, 58.034,
118.702

 8, 58.034, 118.702

■ 0, 58.034, 118.702

■ 78, 58.034,
118.702

■ 78, 58.034,
118.702

■ 77, 67.184,
118.385

■ 79, 48.043,
119.170

■ 77, 75.058,
118.305

■ 79, 37.521,
119.717

■ 76, 81.160,
118.573

■ 80, 26.685,
120.301

■ 76, 85.113,
119.286

■ 81, 15.679,
120.892

■ 76, 86.681,
119.851

■ 82, 4.601, 121.478

■ 83, 6.484, 302.015

■ 84, 17.528,

302.545

■ 85, 26.993,
303.581

■ 86, 27.464,
307.823

Harmonies

Complementary

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



78, 58.034, 118.702



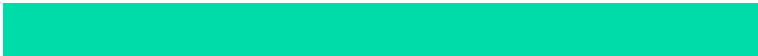
48, 65.592, 305.903

Rectangle

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



78, 58.034, 118.702



78, 58.034, 168.702



78, 58.034, 298.702



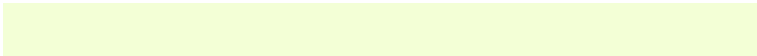
78, 58.034, 348.702

Sweetspot

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



78, 58.035, 118.704



98, 21.151, 120.771



60, 40.889, 47.421



52, 14.274, 120.648



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 58.035, 118.704



94, 80.879, 118.352



75, 66.204, 135.206



43, 6.260, 121.172



62, 73.925, 119.634



13, 22.957, 121.767

Inverse Universe

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



48, 65.592, 305.903



52, 94.621, 306.974



54, 67.715, 320.533



40, 6.378, 302.256



22, 94.014, 308.365



2, 23.883, 300.088

Previews

White Background



This preview shows how the CIELCh color 78, 58.034, 118.702 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 78, 58.034, 118.702 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 78, 58.034, 118.702

Background



This preview shows how black text looks on a background with the CIELCh color 78, 58.034, 118.702.



This preview shows how white text looks on a background with the CIELCh color 78, 58.034, 118.702.

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](#).

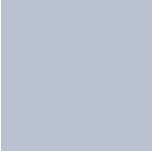
Dichromacy



Original Color
78, 58.034, 118.702

Protanopia
78, 53.718, 95.921

Deuteranopia
78, 49.982, 78.452



Tritanopia
78, 8.359, 273.725

Trichromacy



Original Color
78, 58.034, 118.702

Protanomaly
78, 54.182, 104.691

Deuteranomaly
77, 49.315, 94.517

Tritanomaly
78, 17.144, 129.564

Monochromacy



Original Color
78, 58.034, 118.702

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 21.900, 120.596

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 58.034, 118.702 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(172, 205, 94)` looks like.

```
.text, #text, p{  
    color:rgb(172, 205, 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(172, 205, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 205, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 58.034, 118.702 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(172, 205, 94) }
```

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

```
.border{ border-color:rgb(172, 205, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 205, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 205, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 205, 94);  
box-shadow:4px 4px 4px 4px rgb(172, 205,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 58.034, 118.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 205, 94) }
```

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

```
.background{ background-color: rgb(172,  
205, 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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