

Converting Colors

CIELCh(78, 51.831, 140.037)

Have a look what the booklet for
CIELCh(78, 51.831, 140.037)
contains.

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Color

CIELCh(78, 51.942, 140.147)

Conversions

Conversions Part 1

Format	Color
Hex	86D381
RGB	134, 211, 129
RGB Percent	53%, 83%, 51%
CMY	0.4747, 0.1727, 0.4943
CMYK	0.37, 0.00, 0.39, 0.17
HSL	116°, 48%, 67%
HSV	116°, 39%, 83%
XYZ	37.0652, 53.2120, 29.0704
YIQ	178.6290, -19.5700, -41.8260

Conversions

Conversions Part 2

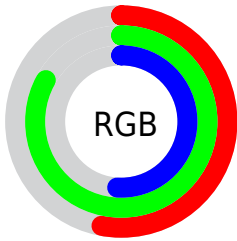
Format	Color
RYB	129, 211, 206
Decimal	8835969
CIELab	78.00, -39.88, 33.29
CIELCh	78, 51.942, 140.147
Yxy	53.2120, 0.3106, 0.4459
Android (android.graphics.Color)	4287026049 (0xFF86D381)
YUV	178.6290, -24.4671, -39.1396
Hunter-Lab	72.9466, -36.9580, 27.4346

Details

The CIELCh color **78, 51.942, 140.147** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **65, 52.098, 324.725**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 43.724, 140.085**, and **58, 52.155, 139.960** is the 20% darker color. If you saturate the color by 10%, you get **77, 64.534, 139.231**, and if you desaturate by 10%, it is **79, 38.777, 140.976**.

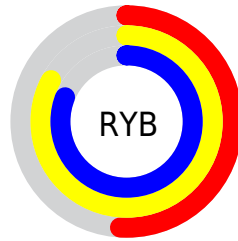
Distribution



Red (53%)

Green (83%)

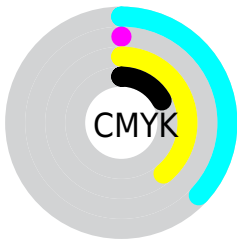
Blue (51%)



Red (51%)

Yellow (83%)

Blue (81%)

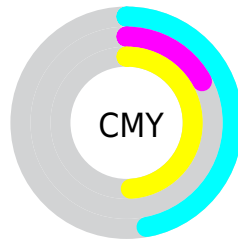


Cyan (37%)

Magenta (0%)

Yellow (39%)

Black (17%)



Cyan (47%)


Magenta (17%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 51.942, 140.147 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, 51.942, 140.147 by changing the saturation by 10% instead.


 78, 51.942,
140.147


 78, 51.942,
140.147


 100, 51.942,
140.147


 68, 51.942,
140.147


 98, 51.942,
140.147

 58, 51.942,
140.147

 48, 51.942,
140.147

 38, 51.942,
140.147

 28, 51.942,
140.147

 18, 51.942,
140.147

 8, 51.942, 140.147

0, 51.942, 140.147

78, 51.942,
140.147

78, 51.942,
140.147

77, 64.534,
139.231

79, 38.777,
140.976

76, 76.162,
138.266

81, 25.337,
141.706

75, 86.344,
137.327

83, 11.853,
142.343

75, 94.525,
136.535

85, 1.509, 322.688

74, 100.186,
136.026

87, 14.630,
323.293

74, 103.240,
135.830

89, 27.205,
323.997

■ 74, 103.503,
135.798

■ 89, 27.607,
325.386

Harmonies

Complementary

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



78, 51.942, 140.147



65, 52.098, 324.725

Rectangle

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



78, 51.942, 140.147



78, 51.942, 190.147



78, 51.942, 320.147



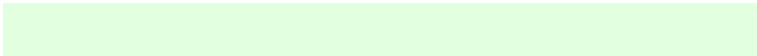
78, 51.942, 10.147

Sweetspot

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



78, 51.943, 140.147



97, 18.741, 142.144



81, 39.825, 103.364



52, 12.439, 142.061



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, 51.943, 140.147



91, 72.539, 139.360



78, 38.364, 156.559



43, 7.530, 142.311



60, 87.404, 135.733



13, 29.966, 140.855

Inverse Universe

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



65, 52.098, 324.725



73, 72.642, 325.098



64, 39.582, 343.733



41, 7.550, 323.257



38, 84.945, 325.864



5, 30.609, 325.591

Previews

White Background



This preview shows how the CIELCh color 78, 51.942, 140.147 looks on a white background.

Color Contrast Check

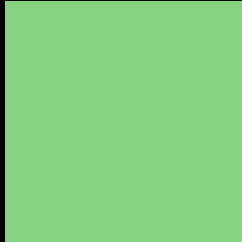
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 78, 51.942, 140.147 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, 51.942, 140.147

Background



This preview shows how black text looks on a background with the CIELCh color 78, 51.942, 140.147.

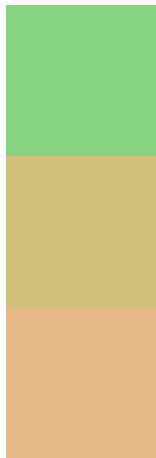


This preview shows how white text looks on a background with the CIELCh color 78, 51.942, 140.147.

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, 51.942, 140.147

Protanopia
78, 38.100, 95.862

Deuteranopia
78, 32.290, 73.008

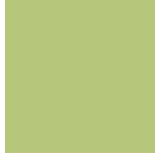


Tritanopia
78, 18.410, 228.242

Trichromacy



Original Color
78, 51.942, 140.147



Protanomaly
77, 39.846, 116.573



Deuteranomaly
77, 32.198, 107.160

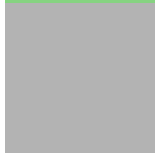


Tritanomaly
78, 23.503, 171.926

Monochromacy



Original Color
78, 51.942, 140.147



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 19.395, 141.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 51.942, 140.147 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(134, 211, 129)` looks like.

```
.text, #text, p{  
    color:rgb(134, 211, 129)  
}
```

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(134, 211, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 211, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 51.942, 140.147 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(134, 211, 129) }
```

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

```
.border{ border-color:rgb(134, 211, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 211, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 211, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 211, 129);  
box-shadow:4px 4px 4px 4px rgb(134, 211,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 51.942, 140.147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 211, 129) }
```

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

```
.background{ background-color: rgb(134,  
211, 129) }
```

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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