

Converting Colors

CIELCh(80, 38.490, 140.430)

Have a look what the booklet for
CIELCh(80, 38.490, 140.430)
contains.

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Color

CIELCh(80, 38.341, 140.038)

Conversions

Conversions Part 1

Format	Color
Hex	9DD497
RGB	157, 212, 151
RGB Percent	62%, 83%, 59%
CMY	0.3832, 0.1674, 0.4067
CMYK	0.26, 0.00, 0.29, 0.17
HSL	114°, 42%, 71%
HSV	114°, 29%, 83%
XYZ	43.1915, 56.6813, 38.0650
YIQ	188.6010, -13.1990, -30.6310

Conversions

Conversions Part 2

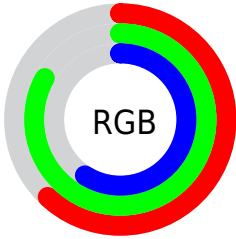
Format	Color
RYB	151, 212, 206
Decimal	10343575
CIELab	80.00, -29.39, 24.63
CIElCh	80, 38.341, 140.038
Yxy	56.6813, 0.3131, 0.4109
Android (android.graphics.Color)	4288533655 (0xFF9DD497)
YUV	188.6010, -18.5373, -27.7141
Hunter-Lab	75.2870, -29.3483, 22.7240

Details

The CIELCh color **80, 38.341, 140.038** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **70, 38.563, 323.144**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 29.314, 139.475**, and **60, 38.123, 140.212** is the 20% darker color. If you saturate the color by 10%, you get **79, 51.445, 139.265**, and if you desaturate by 10%, it is **82, 24.989, 140.725**.

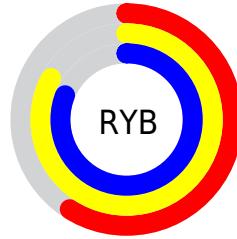
Distribution



Red (62%)

Green (83%)

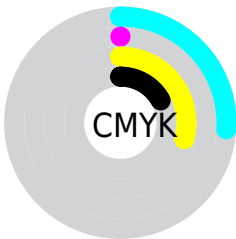
Blue (59%)



Red (59%)

Yellow (83%)

Blue (81%)

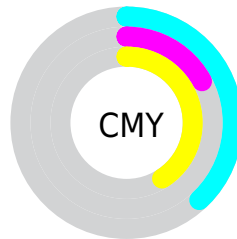


Cyan (26%)

Magenta (0%)

Yellow (29%)

Black (17%)



Cyan (38%)


Magenta (17%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 38.341, 140.038 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, 38.341, 140.038 by changing the saturation by 10% instead.


 80, 38.341,
140.038


 80, 38.341,
140.038


 100, 38.341,
140.038


 70, 38.341,
140.038


 60, 38.341,
140.038

 50, 38.341,
140.038

 40, 38.341,
140.038

 30, 38.341,
140.038

 20, 38.341,
140.038

 10, 38.341,

140.038

■ 0, 38.341, 140.038

■ 80, 38.341,
140.038

■ 80, 38.341,
140.038

■ 79, 51.445,
139.265

■ 82, 24.989,
140.725

■ 77, 64.012,
138.420

■ 83, 11.600,
141.330

■ 76, 75.668,
137.544

■ 85, 1.669, 321.670

■ 76, 85.943,
136.713

■ 87, 14.708,
322.235

■ 75, 94.280,
136.046

■ 90, 26.385,
324.049

■ 90, 26.753,

■ 75, 100.147,
135.676

325.356

■ 74, 103.421,
135.629

■ 74, 103.739,
135.613

Harmonies

Complementary

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



80, 38.341, 140.038



70, 38.563, 323.144

Rectangle

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



80, 38.341, 140.038



80, 38.341, 190.038



80, 38.341, 320.038



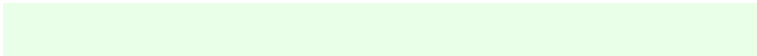
80, 38.341, 10.038

Sweetspot

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



80, 38.343, 140.039



98, 13.861, 141.309



82, 28.850, 102.753



52, 9.641, 141.224



0, 0.000, 0.000



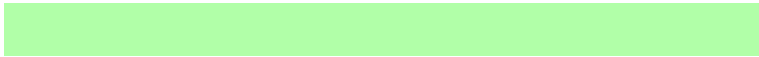
53, 0.007, 296.813

Same Dimension

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



80, 38.343, 140.039



93, 52.529, 139.615



80, 29.514, 156.158



44, 7.590, 141.290



61, 88.136, 135.530



14, 31.231, 139.153

Inverse Universe

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



70, 38.563, 323.144



79, 52.855, 323.405



69, 30.124, 340.979



42, 7.615, 322.196



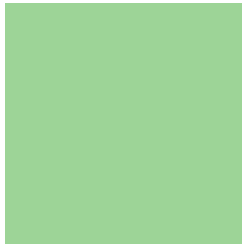
37, 86.164, 324.436



6, 32.314, 324.528

Previews

White Background



This preview shows how the CIELCh color 80, 38.341, 140.038 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 80, 38.341, 140.038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

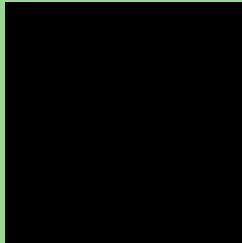
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 38.341, 140.038

Background



This preview shows how black text looks on a background with the CIELCh color 80, 38.341, 140.038.

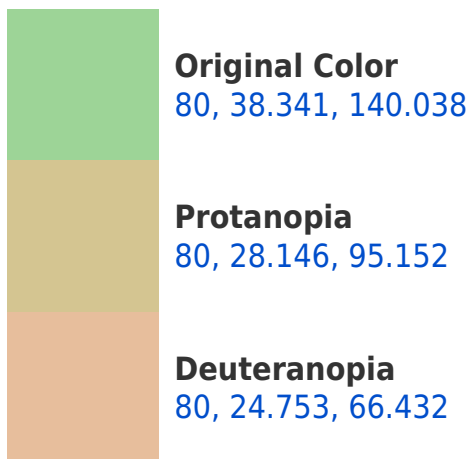


This preview shows how white text looks on a background with the CIELCh color 80, 38.341, 140.038.

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](#).

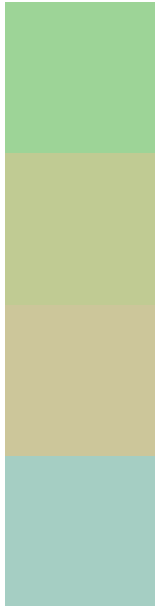
Dichromacy





Tritanopia
80, 14.341, 238.160

Trichromacy



Original Color
80, 38.341, 140.038

Protanomaly
80, 29.750, 115.960

Deuteranomaly
79, 23.381, 102.178

Tritanomaly
80, 15.748, 176.341

Monochromacy



Original Color
80, 38.341, 140.038

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 14.000, 141.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 38.341, 140.038 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(157, 212, 151)` looks like.

```
.text, #text, p{  
    color:rgb(157, 212, 151)  
}
```

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(157, 212, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 212, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 38.341, 140.038 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(157, 212, 151) }
```

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

```
.border{ border-color:rgb(157, 212, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 212, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 212, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 212, 151);  
box-shadow:4px 4px 4px 4px rgb(157, 212,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 38.341, 140.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 212, 151) }
```

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

```
.background{ background-color: rgb(157,  
212, 151) }
```

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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