

Converting Colors

CIELCh(80, 49.406, 140.508)

Have a look what the booklet for
CIELCh(80, 49.406, 140.508)
contains.

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Color

CIELCh(80, 49.439, 140.609)

Conversions

Conversions Part 1

Format	Color
Hex	8ED88A
RGB	142, 216, 138
RGB Percent	56%, 85%, 54%
CMY	0.4432, 0.1530, 0.4589
CMYK	0.34, 0.00, 0.36, 0.15
HSL	117°, 50%, 69%
HSV	117°, 36%, 85%
XYZ	40.2859, 56.6813, 32.8528
YIQ	184.9820, -19.0660, -39.9460

Conversions

Conversions Part 2

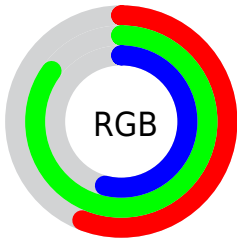
Format	Color
RYB	138, 216, 212
Decimal	9361546
CIELab	80.00, -38.21, 31.37
CIELCh	80, 49.439, 140.609
Yxy	56.6813, 0.3103, 0.4366
Android (android.graphics.Color)	4287551626 (0xFF8ED88A)
YUV	184.9820, -23.1621, -37.6952
Hunter-Lab	75.2870, -36.2372, 26.8287

Details

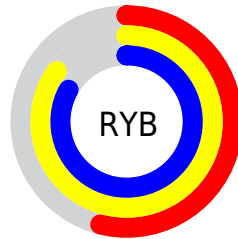
The CIELCh color $80, 49.439, 140.609$ is a light color, and the websafe version is hex $99CC66$. A complement of this color would be $67, 49.562, 324.886$, and the grayscale version is $75, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 38.295, 140.392$, and $60, 49.658, 140.604$ is the 20% darker color. If you saturate the color by 10%, you get $79, 62.495, 139.695$, and if you desaturate by 10%, it is $81, 35.880, 141.427$.

Distribution



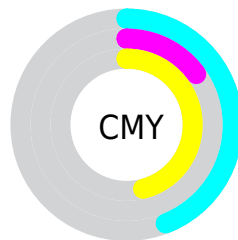
- Red (56%)
- Green (85%)
- Blue (54%)



- Red (54%)
- Yellow (85%)
- Blue (83%)



- Cyan (34%)
- Magenta (0%)
- Yellow (36%)
- Black (15%)





- Cyan (44%)
- Magenta (15%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 49.439, 140.609 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, 49.439, 140.609 by changing the saturation by 10% instead.

 80, 49.439,
140.609

 80, 49.439,
140.609


 100, 49.439,
140.609


 70, 49.439,
140.609

 60, 49.439,
140.609

 50, 49.439,
140.609

 40, 49.439,
140.609

 30, 49.439,
140.609

 20, 49.439,
140.609

 10, 49.439,

140.609

■ 0, 49.439, 140.609

■ 80, 49.439,
140.609

■ 80, 49.439,
140.609

■ 79, 62.495,
139.695

■ 81, 35.880,
141.427

■ 78, 74.668,
138.713

■ 83, 22.106,
142.141

■ 77, 85.489,
137.728

■ 85, 8.337, 142.769

■ 76, 94.403,
136.850

■ 87, 5.267, 323.207

■ 89, 18.596,
323.681

■ 76, 100.851,
136.216

■ 91, 24.443,
325.276

■ 76,104.507,
135.935

■ 76,105.410,
135.841

Harmonies

Complementary

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



80, 49.439, 140.609



67, 49.562, 324.886

Rectangle

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



80, 49.439, 140.609



80, 49.439, 190.609



80, 49.439, 320.609



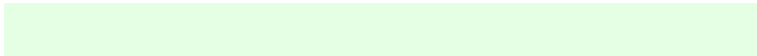
80, 49.439, 10.609

Sweetspot

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



80, 49.440, 140.609



97, 17.223, 142.463



83, 37.795, 103.642



52, 11.581, 142.377



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, 49.440, 140.609



92, 66.911, 139.952



80, 36.433, 156.876



44, 7.706, 142.568



61, 88.440, 135.782



14, 31.667, 140.096

Inverse Universe

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



67, 49.562, 324.886



75, 67.005, 325.219



67, 37.535, 343.438



42, 7.724, 323.529



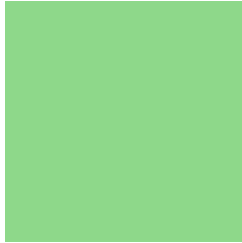
39, 85.836, 326.234



6, 32.639, 326.234

Previews

White Background



This preview shows how the CIELCh color 80, 49.439, 140.609 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, 49.439, 140.609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

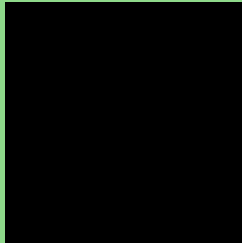
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 49.439, 140.609

Background



This preview shows how black text looks on a background with the CIELCh color 80, 49.439, 140.609.



This preview shows how white text looks on a background with the CIELCh color 80, 49.439, 140.609.

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](#).

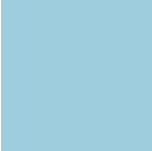
Dichromacy



Original Color
80, 49.439, 140.609

Protanopia
80, 35.935, 95.612

Deuteranopia
80, 30.590, 70.595



Tritanopia
80, 17.641, 227.513

Trichromacy



Original Color
80, 49.439, 140.609



Protanomaly
79, 37.633, 116.695



Deuteranomaly
79, 30.011, 105.879

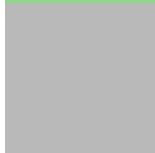


Tritanomaly
80, 22.835, 171.381

Monochromacy



Original Color
80, 49.439, 140.609



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 18.187, 142.672

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 49.439, 140.609 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(142, 216, 138)` looks like.

```
.text, #text, p{  
    color:rgb(142, 216, 138)  
}
```

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(142, 216, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 216, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 49.439, 140.609 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(142, 216, 138) }
```

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

```
.border{ border-color:rgb(142, 216, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 216, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 216, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 216, 138);  
box-shadow:4px 4px 4px 4px rgb(142, 216,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 49.439, 140.609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 216, 138) }
```

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

```
.background{ background-color: rgb(142,  
216, 138) }
```

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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