

Converting Colors

CIELCh(80, 45.684, 139.969)

Have a look what the booklet for
CIELCh(80, 45.684, 139.969)
contains.

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Color

CIELCh(80, 45.919, 140.047)

Conversions

Conversions Part 1

Format	Color
Hex	94D78E
RGB	148, 215, 142
RGB Percent	58%, 84%, 56%
CMY	0.4206, 0.1579, 0.4441
CMYK	0.31, 0.00, 0.34, 0.16
HSL	115°, 48%, 70%
HSV	115°, 34%, 84%
XYZ	41.2616, 56.6813, 34.2589
YIQ	186.6450, -16.4990, -36.9070

Conversions

Conversions Part 2

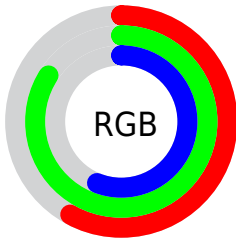
Format	Color
RYB	142, 215, 209
Decimal	9754510
CIELab	80.00, -35.20, 29.49
CIElCh	80, 45.919, 140.047
Yxy	56.6813, 0.3121, 0.4287
Android (android.graphics.Color)	4287944590 (0xFF94D78E)
YUV	186.6450, -22.0100, -33.8917
Hunter-Lab	75.2870, -33.9240, 25.7213

Details

The CIELCh color $80, 45.919, 140.047$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $68, 46.146, 323.876$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 35.401, 139.425$, and $60, 46.107, 140.235$ is the 20% darker color. If you saturate the color by 10%, you get $79, 58.954, 139.206$, and if you desaturate by 10%, it is $82, 32.479, 140.802$.

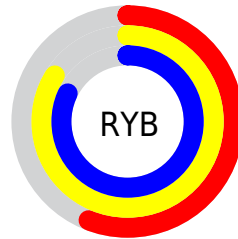
Distribution



Red (58%)

Green (84%)

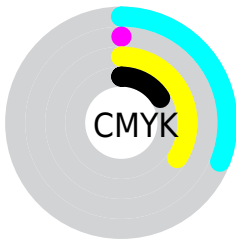
Blue (56%)



Red (56%)

Yellow (84%)

Blue (82%)

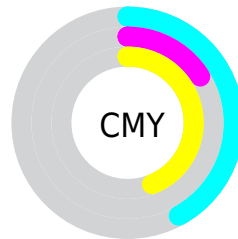


Cyan (31%)

Magenta (0%)

Yellow (34%)

Black (16%)



Cyan (42%)

Magenta (16%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 45.919, 140.047 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, 45.919, 140.047 by changing the saturation by 10% instead.

■ 80, 45.919,
140.047

■ 80, 45.919,
140.047

■ 100, 45.919,
140.047

■ 70, 45.919,
140.047

■ 60, 45.919,
140.047

■ 50, 45.919,
140.047

■ 40, 45.919,
140.047

■ 30, 45.919,
140.047

■ 20, 45.919,
140.047

■ 10, 45.919,

140.047

0, 45.919, 140.047

80, 45.919,
140.047

80, 45.919,
140.047

79, 58.954,
139.206

82, 32.479,
140.802

78, 71.237,
138.302

83, 18.890,
141.463

77, 82.337,
137.394

85, 5.346, 142.062

76, 91.721,
136.581

87, 8.014, 322.465

76, 98.819,
135.997

89, 21.096,
322.893

90, 25.226,
325.303

■ 75,103.207,
135.759

■ 75,104.761,
135.706

Harmonies

Complementary

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



80, 45.919, 140.047



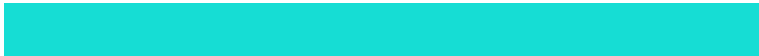
68, 46.146, 323.876

Rectangle

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



80, 45.919, 140.047



80, 45.919, 190.047



80, 45.919, 320.047



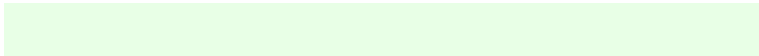
80, 45.919, 10.047

Sweetspot

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



80, 45.921, 140.047



98, 15.493, 141.699



83, 34.903, 103.038



52, 10.579, 141.614



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, 45.921, 140.047



92, 63.344, 139.431



80, 34.649, 156.348



44, 7.629, 141.739



61, 88.255, 135.630



14, 31.380, 139.481

Inverse Universe

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



68, 46.146, 323.876



75, 63.637, 324.209



67, 35.553, 342.338



42, 7.652, 322.663



38, 86.038, 325.056



6, 32.431, 325.125

Previews

White Background



This preview shows how the CIELCh color 80, 45.919, 140.047 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, 45.919, 140.047 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, 45.919, 140.047

Background



This preview shows how black text looks on a background with the CIELCh color 80, 45.919, 140.047.

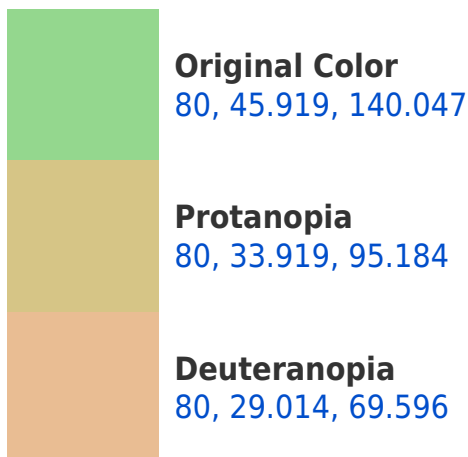


This preview shows how white text looks on a background with the CIELCh color 80, 45.919, 140.047.

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, 16.343, 230.175

Trichromacy



Original Color
80, 45.919, 140.047



Protanomaly
79, 34.949, 115.646



Deuteranomaly
79, 27.999, 104.304



Tritanomaly
80, 20.561, 171.725

Monochromacy



Original Color
80, 45.919, 140.047



Achromatopsia
76, 0.009, 296.813



Achromatomaly
77, 16.655, 141.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 45.919, 140.047 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(148, 215, 142)` looks like.

```
.text, #text, p{  
    color:rgb(148, 215, 142)  
}
```

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(148, 215, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 215, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 45.919, 140.047 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(148, 215, 142) }
```

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

```
.border{ border-color:rgb(148, 215, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 215, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 215, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 215, 142);  
box-shadow:4px 4px 4px 4px rgb(148, 215,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 45.919, 140.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 215, 142) }
```

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

```
.background{ background-color: rgb(148,  
215, 142) }
```

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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