

Converting Colors

CIELCh(79, 45.744, 140.694)

Have a look what the booklet for
CIELCh(79, 45.744, 140.694)
contains.

CIELCh(79, 45.794, 140.694)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(79, 45.794, 140.694)

Conversions

Conversions Part 1

Format	Color
Hex	90D48C
RGB	144, 212, 140
RGB Percent	56%, 83%, 55%
CMY	0.4352, 0.1685, 0.4509
CMYK	0.32, 0.00, 0.34, 0.17
HSL	117°, 46%, 69%
HSV	117°, 34%, 83%
XYZ	39.7935, 54.9284, 33.3264
YIQ	183.4600, -17.4160, -36.8080

Conversions

Conversions Part 2

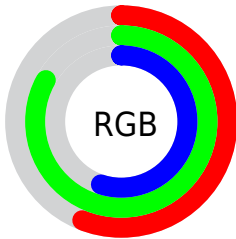
Format	Color
RYB	140, 212, 208
Decimal	9491596
CIELab	79.00, -35.43, 29.01
CIELCh	79, 45.794, 140.694
Yxy	54.9284, 0.3108, 0.4290
Android (android.graphics.Color)	4287681676 (0xFF90D48C)
YUV	183.4600, -21.4258, -34.6064
Hunter-Lab	74.1137, -33.8578, 25.2189

Details

The CIELCh color **79, 45.794, 140.694** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **67, 45.930, 324.655**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 37.042, 140.365**, and **59, 45.784, 140.533** is the 20% darker color. If you saturate the color by 10%, you get **78, 58.781, 139.809**, and if you desaturate by 10%, it is **81, 32.385, 141.482**.

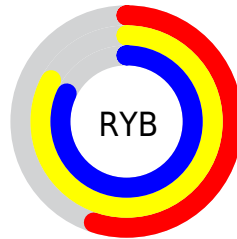
Distribution



Red (56%)

Green (83%)

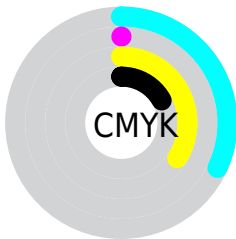
Blue (55%)



Red (55%)

Yellow (83%)

Blue (82%)

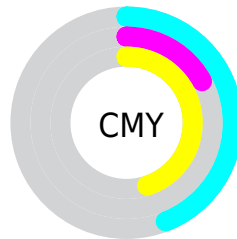


Cyan (32%)

Magenta (0%)

Yellow (34%)

Black (17%)



Cyan (44%)


Magenta (17%)

Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 45.794, 140.694 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 79, 45.794, 140.694 by changing the saturation by 10% instead.


 79, 45.794,
140.694

 79, 45.794,
140.694


 100, 45.794,
140.694


 69, 45.794,
140.694

 99, 45.794,
140.694

 59, 45.794,
140.694

 49, 45.794,
140.694

 39, 45.794,
140.694

 29, 45.794,
140.694

 19, 45.794,
140.694

 9, 45.794, 140.694

0, 45.794, 140.694

79, 45.794,
140.694

79, 45.794,
140.694

78, 58.781,
139.809

81, 32.385,
141.482

77, 70.995,
138.848

82, 18.820,
142.170

76, 81.996,
137.869

84, 5.299, 142.789

75, 91.255,
136.970

86, 8.034, 323.206

75, 98.211,
136.287

88, 21.081,
323.646

74, 102.455,
135.941

90, 26.927,
325.362

■ 74, 103.933,
135.821

Harmonies

Complementary

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



79, 45.794, 140.694



67, 45.930, 324.655

Rectangle

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



79, 45.794, 140.694



79, 45.794, 190.694



79, 45.794, 320.694



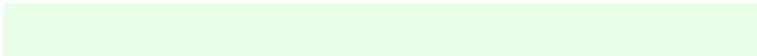
79, 45.794, 10.694

Sweetspot

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



79, 45.795, 140.694



98, 15.626, 142.411



82, 35.062, 103.868



52, 10.670, 142.324



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 45.795, 140.694



92, 63.857, 140.041



79, 33.815, 157.126



44, 7.695, 142.453



61, 88.416, 135.763



14, 31.626, 140.010

Inverse Universe

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



67, 45.930, 324.655



76, 63.995, 325.001



67, 34.792, 343.204



42, 7.714, 323.408



39, 85.862, 326.068



6, 32.611, 326.080

Previews

White Background



This preview shows how the CIELCh color 79, 45.794, 140.694 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 79, 45.794, 140.694 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 79, 45.794, 140.694

Background



This preview shows how black text looks on a background with the CIELCh color 79, 45.794, 140.694.

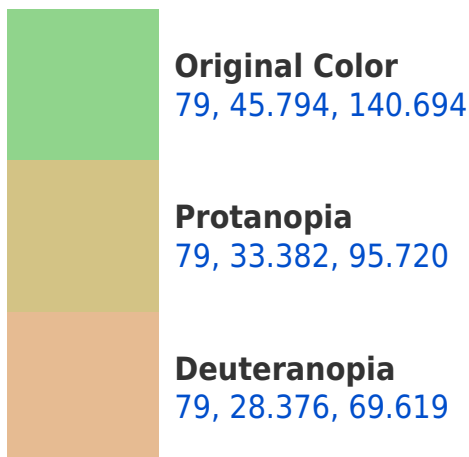


This preview shows how white text looks on a background with the CIELCh color 79, 45.794, 140.694.

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



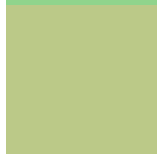


Tritanopia
79, 16.628, 229.647

Trichromacy



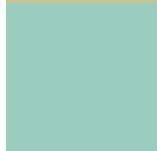
Original Color
79, 45.794, 140.694



Protanomaly
79, 34.569, 116.437



Deuteranomaly
78, 27.509, 105.108



Tritanomaly
79, 20.629, 173.347

Monochromacy



Original Color
79, 45.794, 140.694



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 17.350, 141.687

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 45.794, 140.694 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(144, 212, 140)` looks like.

```
.text, #text, p{  
    color:rgb(144, 212, 140)  
}
```

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(144, 212, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 212, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 45.794, 140.694 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(144, 212, 140) }
```

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

```
.border{ border-color:rgb(144, 212, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 212, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 212, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 212, 140); box-shadow:4px 4px 4px 4px rgb(144, 212, 140) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 45.794, 140.694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 212, 140) }
```

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

```
.background{ background-color: rgb(144,  
212, 140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor