

Converting Colors

CIELCh(82, 59.675, 150.935)

Have a look what the booklet for
CIELCh(82, 59.675, 150.935)
contains.

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Color

CIELCh(82, 59.970, 150.740)

Conversions

Conversions Part 1

Format	Color
Hex	68E493
RGB	104, 228, 147
RGB Percent	41%, 89%, 58%
CMY	0.5937, 0.1073, 0.4249
CMYK	0.54, 0.00, 0.36, 0.11
HSL	141°, 69%, 65%
HSV	141°, 54%, 89%
XYZ	38.5451, 60.2982, 37.0705
YIQ	181.6900, -47.9030, -51.4790

Conversions

Conversions Part 2

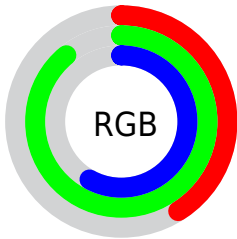
Format	Color
RYB	104, 196, 228
Decimal	6874259
CIELab	82.00, -52.32, 29.31
CIELCh	82, 59.970, 150.740
Yxy	60.2982, 0.2836, 0.4437
Android (android.graphics.Color)	4285064339 (0xFF68E493)
YUV	181.6900, -17.1022, -68.1341
Hunter-Lab	77.6519, -47.2864, 26.0517

Details

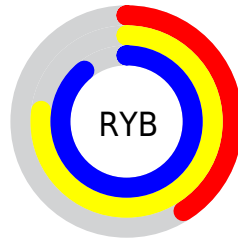
The CIELCh color **82, 59.970, 150.740** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61, 60.701, 340.986**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 41.951, 156.403**, and **62, 60.059, 150.841** is the 20% darker color. If you saturate the color by 10%, you get **81, 69.434, 149.204**, and if you desaturate by 10%, it is **83, 49.731, 152.085**.

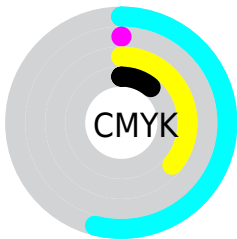
Distribution



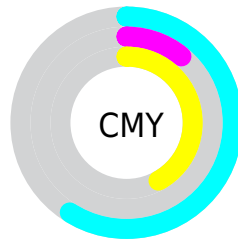
- Red (41%)
- Green (89%)
- Blue (58%)



- Red (41%)
- Yellow (77%)
- Blue (89%)



- Cyan (54%)
- Magenta (0%)
- Yellow (36%)
- Black (11%)





- Cyan (59%)
- Magenta (11%)
- Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 59.970, 150.740 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 82, 59.970, 150.740 by changing the saturation by 10% instead.

 82, 59.970,
150.740

 82, 59.970,
150.740

 100, 59.970,
150.740

 72, 59.970,
150.740

 62, 59.970,
150.740

 52, 59.970,
150.740

 42, 59.970,
150.740

 32, 59.970,
150.740

 22, 59.970,
150.740

 12, 59.970,

150.740

■ 2, 59.970, 150.740

■ 0, 59.970, 150.740

■ 82, 59.970,
150.740

■ 82, 59.970,
150.740

■ 81, 69.434,
149.204

■ 83, 49.731,
152.085

■ 80, 77.935,
147.470

■ 84, 38.922,
153.257

■ 80, 85.341,
145.552

■ 86, 27.753,
154.279

■ 80, 91.591,
143.497

■ 88, 16.411,
155.178

■ 80, 94.618,

■ 90, 5.052, 156.011

142.378

92, 6.198, 336.561

93, 15.349,
329.707

93, 17.108,
325.017

Harmonies

Complementary

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



82, 59.970, 150.740



61, 60.701, 340.986

Rectangle

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



82, 59.970, 150.740



82, 59.970, 200.740



82, 59.970, 330.740



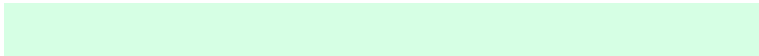
82, 59.970, 20.740

Sweetspot

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



82, 59.971, 150.740



97, 19.888, 155.039



85, 63.972, 120.182



51, 13.431, 154.858



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 59.971, 150.740



90, 76.562, 149.052



83, 39.532, 180.585



47, 6.468, 155.594



64, 78.249, 142.737



18, 30.078, 146.727

Inverse Universe

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



61, 60.701, 340.986



64, 76.409, 342.329



60, 51.576, 13.877



45, 6.509, 336.898



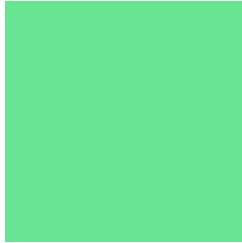
39, 68.702, 348.433



7, 29.694, 344.380

Previews

White Background



This preview shows how the CIELCh color 82, 59.970, 150.740 looks on a white background.

Color Contrast Check

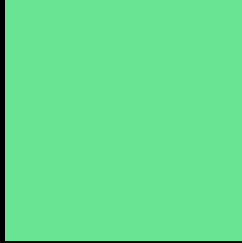
Large Text (above 18pt) WCAG AA × Fail

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 82, 59.970, 150.740 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 82, 59.970, 150.740

Background



This preview shows how black text looks on a background with the CIELCh color 82, 59.970, 150.740.

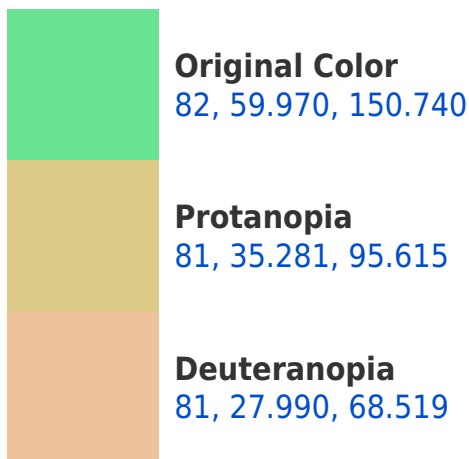


This preview shows how white text looks on a background with the CIELCh color 82, 59.970, 150.740.

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
82, 28.112, 216.565

Trichromacy



Original Color
82, 59.970, 150.740



Protanomaly
81, 39.375, 126.736



Deuteranomaly
80, 29.642, 120.619



Tritanomaly
82, 34.559, 179.948

Monochromacy



Original Color
82, 59.970, 150.740



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 22.864, 154.820

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 59.970, 150.740 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(104, 228, 147)` looks like.

```
.text, #text, p{  
    color:rgb(104, 228, 147)  
}
```

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(104, 228, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 228, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 59.970, 150.740 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(104, 228, 147) }
```

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

```
.border{ border-color:rgb(104, 228, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 228, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 228, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 228, 147);  
box-shadow:4px 4px 4px 4px rgb(104, 228,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 59.970, 150.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 228, 147) }
```

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

```
.background{ background-color: rgb(104,  
228, 147) }
```

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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