

Converting Colors

CIELCh(82, 76.146, 148.676)

Have a look what the booklet for
CIELCh(82, 76.146, 148.676)
contains.

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Color

CIELCh(82, 76.020, 148.703)

Conversions

Conversions Part 1

Format	Color
Hex	40E87E
RGB	64, 232, 126
RGB Percent	25%, 91%, 49%
CMY	0.7491, 0.0903, 0.5059
CMYK	0.72, 0.00, 0.46, 0.09
HSL	142°, 78%, 58%
HSV	142°, 72%, 91%
XYZ	34.7292, 60.2982, 29.5412
YIQ	169.6840, -66.1020, -68.5820

Conversions

Conversions Part 2

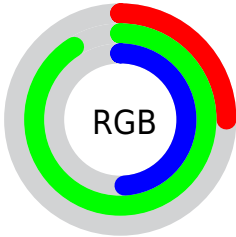
Format	Color
RYB	64, 187, 232
Decimal	4253822
CIELab	82.00, -64.96, 39.49
CIELCh	82, 76.020, 148.703
Yxy	60.2982, 0.2788, 0.4841
Android (android.graphics.Color)	4282443902 (0xFF40E87E)
YUV	169.6840, -21.5362, -92.6849
Hunter-Lab	77.6519, -56.0580, 31.8006




Details

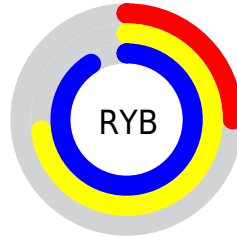
The CIELCh color **82, 76.020, 148.703** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle muted spring green. A complement of this color would be **56, 75.093, 344.655**, and the grayscale version is **70, 0.009, 296.813**.




A 20% lighter version of the original color is **92, 56.577, 153.206**, and **63, 71.854, 145.928** is the 20% darker color. If you saturate the color by 10%, you get **81, 83.626, 146.795**, and if you desaturate by 10%, it is **83, 67.354, 150.415**.

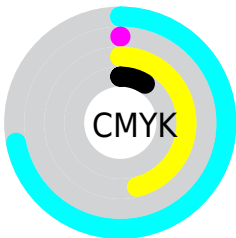
Distribution







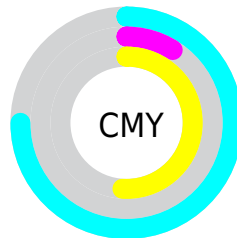
-  Red (25%)
-  Green (91%)
-  Blue (49%)






-  Red (25%)
-  Yellow (73%)
-  Blue (91%)



-  Cyan (72%)
-  Magenta (0%)
-  Yellow (46%)
-  Black (9%)





-  Cyan (75%)
-  Magenta (9%)
-  Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 76.020, 148.703 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, 76.020, 148.703 by changing the saturation by 10% instead.


 82, 76.020,
148.703


 82, 76.020,
148.703


 100, 76.020,
148.703


 72, 76.020,
148.703

 62, 76.020,
148.703

 52, 76.020,
148.703

 42, 76.020,
148.703

 32, 76.020,
148.703

 22, 76.020,
148.703

 12, 76.020,

148.703

■ 2, 76.020, 148.703

■ 0, 76.020, 148.703

■ 82, 76.020,
148.703

■ 82, 76.020,
148.703

■ 81, 83.626,
146.795

■ 83, 67.354,
150.415

■ 81, 90.110,
144.724

■ 84, 57.764,
151.925


■ 81, 94.356,
143.133

■ 85, 47.436,
153.246

■ 86, 36.577,
154.398


■ 88, 25.388,

155.407

 90, 14.053,
156.299

 91, 2.720, 157.193

 94, 8.491, 337.686

 94, 14.373,
324.919

Harmonies

Complementary

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



82, 76.020, 148.703



56, 75.093, 344.655

Rectangle

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



82, 76.020, 148.703



82, 76.020, 198.703



82, 76.020, 328.703



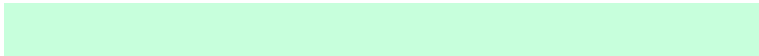
82, 76.020, 18.703

Sweetspot

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



82, 76.021, 148.703



95, 26.900, 155.436



85, 82.832, 121.256



50, 18.065, 155.175



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, 76.021, 148.703



88, 93.482, 145.770



84, 47.133, 181.642



47, 6.363, 156.548



64, 76.873, 143.526



18, 29.542, 147.574

Inverse Universe

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



56, 75.093, 344.655



57, 87.348, 347.542



53, 70.071, 22.127



45, 6.408, 337.878



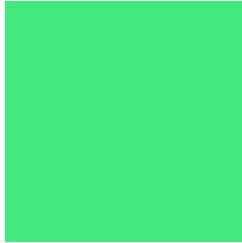
39, 67.898, 350.211



7, 29.331, 345.762

Previews

White Background



This preview shows how the CIE LCh color 82, 76.020, 148.703 looks on a white background.

Color Contrast Check

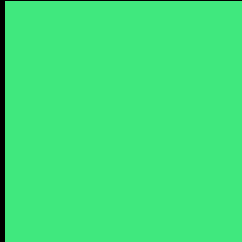
Large Text (above 18pt) WCAG AA × Fail

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, 76.020, 148.703 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, 76.020, 148.703

Background



This preview shows how black text looks on a background with the CIELCh color 82, 76.020, 148.703.

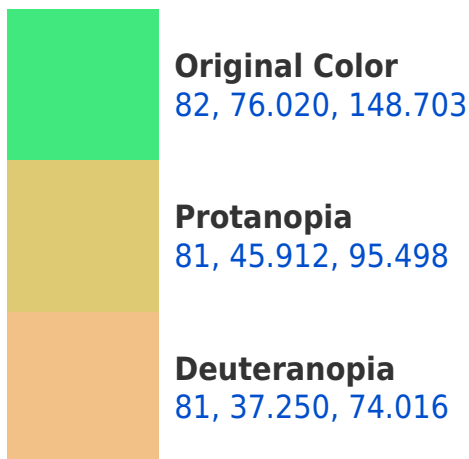


This preview shows how white text looks on a background with the CIELCh color 82, 76.020, 148.703.

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, 33.139, 214.283

Trichromacy



Original Color
82, 76.020, 148.703



Protanomaly
80, 52.058, 127.383



Deuteranomaly
79, 40.900, 123.668



Tritanomaly
82, 43.005, 176.900

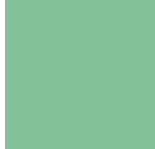
Monochromacy



Original Color
82, 76.020, 148.703



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 31.177, 154.551

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 76.020, 148.703 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(64, 232, 126)` looks like.

```
.text, #text, p{  
    color:rgb(64, 232, 126)  
}
```

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(64, 232, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 232, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 76.020, 148.703 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(64, 232, 126) }
```

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

```
.border{ border-color:rgb(64, 232, 126) }
```

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

Here you see how a box with a 4 pixel rgb(64, 232, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 232, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 232, 126);  
box-shadow:4px 4px 4px 4px rgb(64, 232,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 76.020, 148.703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 232, 126) }
```

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

```
.background{ background-color: rgb(64, 232,  
126) }
```

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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