

Converting Colors

CIELCh(90, 82.172, 143.544)

Have a look what the booklet for
CIELCh(90, 82.172, 143.544)
contains.

CIELCh(90, 81.771, 143.576)	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(90, 81.771, 143.576)

Conversions

Conversions Part 1

Format	Color
Hex	68FF80
RGB	104, 255, 128
RGB Percent	41%, 100%, 50%
CMY	0.5940, 0.0000, 0.4964
CMYK	0.59, 0.00, 0.50, 0.00
HSL	130°, 100%, 70%
HSV	130°, 59%, 100%
XYZ	45.4874, 76.3034, 32.8997
YIQ	195.3730, -49.2290, -71.5090

Conversions

Conversions Part 2

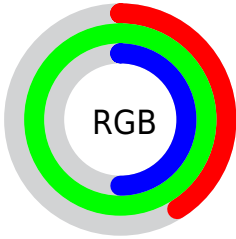
Format	Color
RYB	104, 234, 255
Decimal	6881152
CIELab	90.00, -65.80, 48.55
CIElCh	90, 81.771, 143.576
Yxy	76.3034, 0.2941, 0.4933
Android (android.graphics.Color)	4285071232 (0xFF68FF80)
YUV	195.3730, -33.2149, -80.1341
Hunter-Lab	87.3518, -59.9138, 38.8156

Details

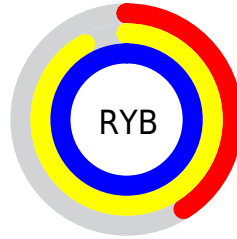
The CIELCh color **90, 81.771, 143.576** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **67, 80.374, 333.152**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 48.417, 147.169**, and **70, 81.700, 143.430** is the 20% darker color. If you saturate the color by 10%, you get **89, 92.657, 142.139**, and if you desaturate by 10%, it is **91, 69.126, 144.927**.

Distribution



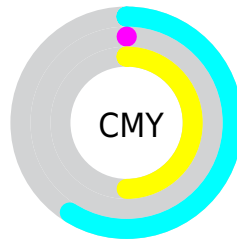
- Red (41%)
- Green (100%)
- Blue (50%)



- Red (41%)
- Yellow (92%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 81.771, 143.576 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 90, 81.771, 143.576 by changing the saturation by 10% instead.


 90, 81.771,
143.576


 90, 81.771,
143.576


 100, 81.771,
143.576


 80, 81.771,
143.576

 70, 81.771,
143.576

 60, 81.771,
143.576

 50, 81.771,
143.576

 40, 81.771,
143.576

 30, 81.771,
143.576

 20, 81.771,

143.576

■ 10, 81.771,
143.576

■ 0, 81.771, 143.576

■ 90, 81.771,
143.576

■ 90, 81.771,
143.576

■ 89, 92.657,
142.139

■ 91, 69.126,
144.927

■ 88, 102.147,
140.587

■ 92, 55.794,
146.094

■ 88, 109.680,
139.039

■ 94, 41.867,
147.107

■ 88, 115.053,
137.654

■ 96, 27.633,
147.981

■ 88, 115.314,
137.586

■ 98, 13.333,
148.740

100, 0.012,
296.813

Harmonies

Complementary

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



90, 81.771, 143.576



67, 80.374, 333.152

Rectangle

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



90, 81.771, 143.576



90, 81.771, 193.576



90, 81.771, 323.576



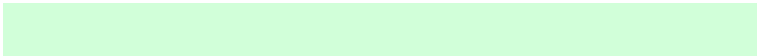
90, 81.771, 13.576

Sweetspot

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



90, 81.532, 143.603



96, 25.627, 148.093



96, 73.268, 111.854



51, 17.819, 147.857



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 81.532, 143.603



89, 94.291, 141.896



91, 54.191, 165.645



52, 8.062, 148.732



68, 92.330, 137.833



23, 40.264, 140.102

Inverse Universe

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



67, 80.374, 333.152



63, 91.090, 333.956



65, 62.248, 1.243



50, 8.084, 329.869



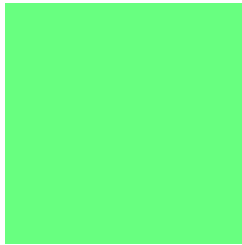
44, 81.849, 336.089



12, 38.231, 334.990

Previews

White Background



This preview shows how the CIE LCh color 90, 81.771, 143.576 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 90, 81.771, 143.576 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 90, 81.771, 143.576

Background



This preview shows how black text looks on a background with the CIELCh color 90, 81.771, 143.576.

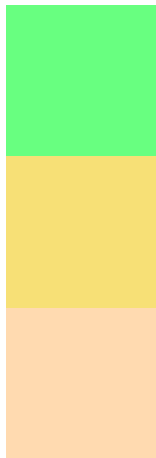


This preview shows how white text looks on a background with the CIELCh color 90, 81.771, 143.576.

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
90, 81.624, 143.465

Protanopia
89, 54.442, 95.524

Deuteranopia
89, 26.384, 74.756

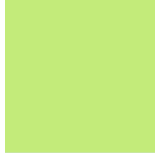


Tritanopia
90, 26.735, 217.378

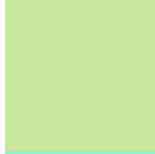
Trichromacy



Original Color
90, 81.624, 143.465



Protanomaly
88, 58.808, 121.280



Deuteranomaly
88, 38.846, 125.069

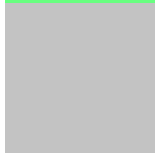


Tritanomaly
89, 39.857, 169.581

Monochromacy



Original Color
90, 81.624, 143.465



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 31.701, 147.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 81.771, 143.576 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, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(104, 255, 128)  
}
```

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, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 255, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 81.771, 143.576 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, 255, 128) }
```

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

```
.border{ border-color:rgb(104, 255, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 255, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(104, 255,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 81.771, 143.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 255, 128) }
```

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

```
.background{ background-color: rgb(104,  
255, 128) }
```

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