Converting Colors

CIELCh(90, 91.439, 139.151)

Have a look what the booklet for CIELCh(90, 91.439, 139.151) contains.

Color

CIELCh(90, 90.809, 139.087)

Conversions

Conversions Part 1

Format	Color
Hex	69FF68
RGB	105, 255, 104
RGB Percent	41%, 100%, 41%
CMY	0.5869, 0.0000, 0.5918
CMYK	0.59, 0.00, 0.59, 0.00
HSL	120°, 100%, 70%
HSV	120°, 59%, 100%
XYZ	44.5078, 76.3034, 25.5046
YIQ	192.9360, -40.9290, -78.7610

Conversions

Conversions Part 2

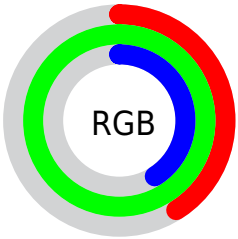
Format	Color
RYB	104, 255, 254
Decimal	6946664
CIELab	90.00, -68.62, 59.47
CIELCh	90, 90.809, 139.087
Yxy	76.3034, 0.3042, 0.5215
Android (android.graphics.Color)	4285136744 (0xFF69FF68)
YUV	192.9360, -43.8454, -77.1199
Hunter-Lab	87.3518, -61.9157, 43.8350

Details

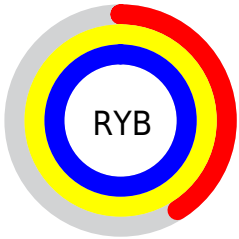
The CIELCh color 90, 90.809, 139.087 is a light color, and the websafe version is hex 66FF66. A complement of this color would be 68, 89.355, 327.183, and the grayscale version is 78, 0.009, 296.813.

A 20% lighter version of the original color is 93, 58.120, 139.436, and 70, 90.284, 139.154 is the 20% darker color. If you saturate the color by 10%, you get 89, 101.815, 138.001, and if you desaturate by 10%, it is 91, 76.764, 140.226.

Distribution

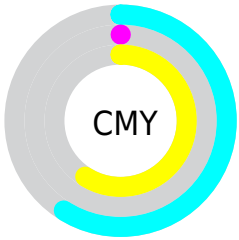


- Red (41%)
- Green (100%)
- Blue (41%)



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

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



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 90.809, 139.087 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, 90.809, 139.087 by changing the saturation by 10% instead.

90, 90.809, 139.087

100, 90.809, 139.087

90, 90.809, 139.087

80, 90.809, 139.087

70, 90.809, 139.087

60, 90.809, 139.087

50, 90.809, 139.087

40, 90.809, 139.087

30, 90.809, 139.087

20, 90.809,

139.087

10, 90.809, 139.087

0, 90.809, 139.087

90, 90.809, 139.087

90, 90.809, 139.087

89, 101.815, 138.001

91, 76.764, 140.226

88, 110.853, 137.030

92, 62.014, 141.269

88, 116.775, 136.347

94, 46.479, 142.199

88, 119.573, 136.016

96, 30.557, 143.008

88, 119.741, 135.993

98, 14.553, 143.708

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, 90.809, 139.087

68, 89.355, 327.183

Rectangle

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

90, 90.809, 139.087

90, 90.809, 189.087

90, 90.809, 319.087

90, 90.809, 9.087

Sweetspot

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

90, 90.231, 139.110

96, 28.674, 143.096

97, 71.434, 103.847

51, 19.938, 142.876

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, 90.231, 139.110

89, 103.672, 137.809

91, 62.906, 156.068

52, 9.019, 143.686

68, 96.431, 135.984

22, 43.757, 136.664

Inverse Universe

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

68, 89.355, 327.183

64, 101.794, 327.553

65, 65.978, 349.567

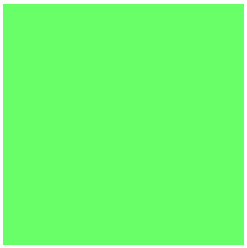
50, 9.034, 324.725

45, 93.113, 327.909

12, 42.835, 327.947

Previews

White Background

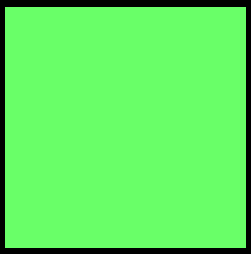


This preview shows how the CIELCh color 90, 90.809, 139.087 looks on a white background.

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, 90.809, 139.087 looks on a black background.

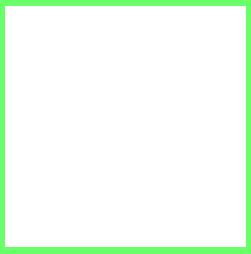
Color Contrast Check

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, 90.809, 139.087 Background

This preview shows how black text looks on a background with the CIELCh color 90, 90.809, 139.087.



This preview shows how white text looks on a background with the CIELCh color 90, 90.809, 139.087.

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

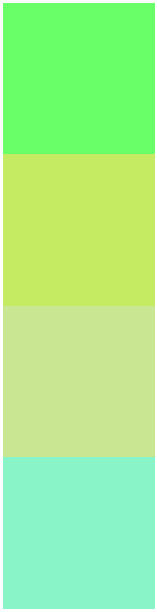
Original Color
90, 90.314, 139.131

Protanopia
89, 64.787, 95.394

Deuteranopia
89, 28.874, 76.545

Tritanopia
89, 26.975, 217.185

Trichromacy



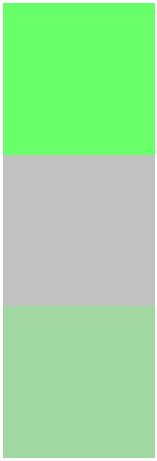
Original Color
90, 90.314, 139.131

Protanomaly
88, 68.876, 117.673

Deuteranomaly
88, 44.921, 121.791

Tritanomaly
89, 42.710, 164.253

Monochromacy



Original Color
90, 90.314, 139.131

Achromatopsia
78, 0.009, 296.813

Achromatomaly
81, 35.575, 142.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 90.809, 139.087 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(105, 255, 104) looks like.

```
.text, #text, p{
    color:rgb(105, 255, 104)
}
```

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(105, 255, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 255, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 90.809, 139.087 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(105, 255, 104) }
```

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

```
.border{ border-color:rgb(105, 255, 104) }
```

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

Here you see how a box with a 4 pixel rgb(105, 255, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 255, 104); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 255, 104); box-shadow:4px 4px 4px 4px rgb(105, 255, 104) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 90.809, 139.087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(105, 255, 104) }
```

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

```
.background{ background-color:rgb(105,
255, 104) }
```

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