Converting Colors

CIELCh(88, 84.805, 139.640)

Have a look what the booklet for CIELCh(88, 84.805, 139.640) contains.

CIELCh(88, 84.960, 139.595) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 21
- ***Color Blindness Simulation*** 24
- ***CSS Examples*** 27

Color

CIELCh(88, 84.960, 139.595)

Conversions

Conversions Part 1

Format	Color
Hex	6DF96D
RGB	109, 249, 109
RGB Percent	43%, 98%, 43%
CMY	0.5728, 0.0237, 0.5727
CMYK	0.56, 0.00, 0.56, 0.02
HSL	120°, 92%, 70%
HSV	120°, 56%, 98%
XYZ	42.9139, 72.0653, 26.1011
YIQ	191.1800, -38.5000, -73.2200

Conversions

Conversions Part 2

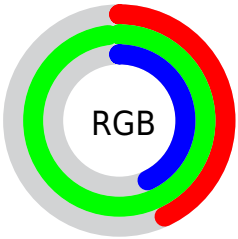
Format	Color
RYB	109, 249, 249
Decimal	7207277
CIELab	88.00, -64.70, 55.07
CIELCh	88, 84.960, 139.595
Yxy	72.0653, 0.3042, 0.5108
Android (android.graphics.Color)	4285397357 (0xFF6DF96D)
YUV	191.1800, -40.5147, -72.0719
Hunter-Lab	84.8913, -58.3252, 41.1943

Details

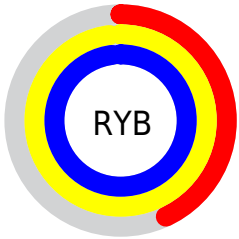
The CIELCh color 88, 84.960, 139.595 is a light color, and the websafe version is hex 66FF66. A complement of this color would be 68, 84.216, 327.323, and the grayscale version is 78, 0.009, 296.813.

A 20% lighter version of the original color is 93, 55.456, 140.006, and 68, 84.723, 139.662 is the 20% darker color. If you saturate the color by 10%, you get 87, 96.933, 138.448, and if you desaturate by 10%, it is 89, 71.312, 140.716.

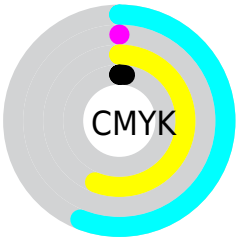
Distribution



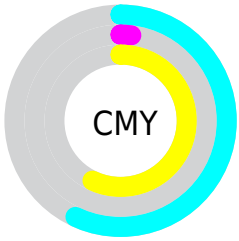
- Red (43%)
- Green (98%)
- Blue (43%)



- Red (43%)
- Yellow (98%)
- Blue (98%)



- Cyan (56%)
- Magenta (0%)
- Yellow (56%)
- Black (2%)



- Cyan (57%)
- Magenta (2%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 84.960, 139.595 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 88, 84.960, 139.595 by changing the saturation by 10% instead.

88, 84.960, 139.595

100, 84.960, 139.595

88, 84.960, 139.595

78, 84.960, 139.595

68, 84.960, 139.595

58, 84.960, 139.595

48, 84.960, 139.595

38, 84.960, 139.595

28, 84.960, 139.595

18, 84.960,

139.595

8, 84.960, 139.595

0, 84.960, 139.595

88, 84.960, 139.595

88, 84.960, 139.595

87, 96.933, 138.448

89, 71.312, 140.716

86, 106.591, 137.390

91, 56.548, 141.743

86, 113.326, 136.573

92, 41.130, 142.649

86, 116.842, 136.119

94, 25.424, 143.433

86, 117.616,

96, 9.709, 144.115

136.016 99, 3.769, 324.491

Harmonies

Complementary

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

88, 84.960, 139.595

68, 84.216, 327.323

Rectangle

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

88, 84.960, 139.595

88, 84.960, 189.595

88, 84.960, 319.595

88, 84.960, 9.595

Sweetspot

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

88, 84.961, 139.595

96, 27.144, 143.376

96, 68.003, 104.881

51, 18.166, 143.226

0, 0.000, 0.000

53, 0.007, 296.813

Same Dimension

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

88, 84.961, 139.595

89, 99.645, 138.353

89, 58.201, 157.385

51, 8.894, 143.900

67, 95.513, 136.017

21, 42.474, 137.061

Inverse Universe

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

68, 84.216, 327.323

66, 98.052, 327.707

65, 61.505, 350.108

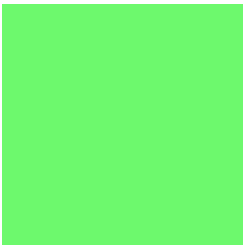
49, 8.907, 324.948

45, 92.150, 328.236

12, 41.693, 328.236

Previews

White Background

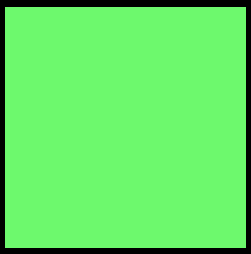


This preview shows how the CIELCh color 88, 84.960, 139.595 looks on a white background.

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 88, 84.960, 139.595 looks on a black background.

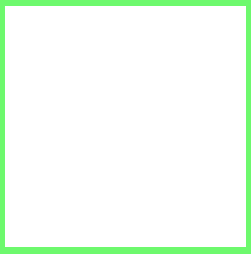
Color Contrast Check

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 88, 84.960, 139.595 Background

This preview shows how black text looks on a background with the CIELCh color 88, 84.960, 139.595.

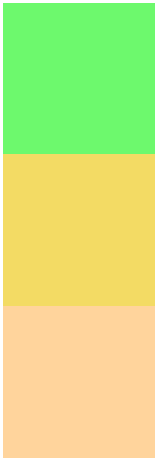


This preview shows how white text looks on a background with the CIELCh color 88, 84.960, 139.595.

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



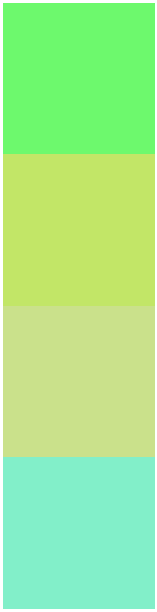
Original Color
88, 84.960, 139.595

Protanopia
87, 60.521, 95.404

Deuteranopia
87, 34.220, 77.018

Tritanopia
88, 28.787, 218.126

Trichromacy



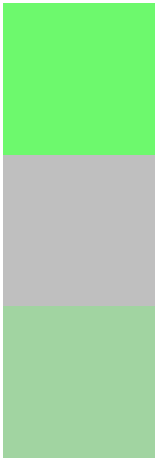
Original Color
88, 84.960, 139.595

Protanomaly
87, 64.621, 118.054

Deuteranomaly
86, 44.898, 118.239

Tritanomaly
87, 41.076, 167.766

Monochromacy



Original Color
88, 84.960, 139.595

Achromatopsia
77, 0.009, 296.813

Achromatomaly
80, 33.106, 142.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 84.960, 139.595 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(109, 249, 109) looks like.

```
.text, #text, p{
    color:rgb(109, 249, 109)
}
```

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(109, 249, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 249, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 84.960, 139.595 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(109, 249, 109) }
```

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

```
.border{ border-color:rgb(109, 249, 109) }
```

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

Here you see how a box with a 4 pixel rgb(109, 249, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 249, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 249, 109); box-shadow:4px 4px 4px 4px rgb(109, 249, 109) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 84.960, 139.595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(109, 249, 109) }
```

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

```
.background{ background-color:rgb(109,
249, 109) }
```

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