

# Converting Colors

CIELCh(88, 88.226, 132.973)

Have a look what the booklet for  
CIELCh(88, 88.226, 132.973)  
contains.

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**Color**

**CIELCh(88, 88.226, 132.973)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84F757
RGB	132, 247, 87
RGB Percent	52%, 97%, 34%
CMY	0.4826, 0.0316, 0.6591
CMYK	0.47, 0.00, 0.65, 0.03
HSL	103°, 91%, 65%
HSV	103°, 65%, 97%
XYZ	44.4612, 72.0653, 20.5691
YIQ	194.3750, -17.1800, -74.1400

# Conversions

## Conversions Part 2

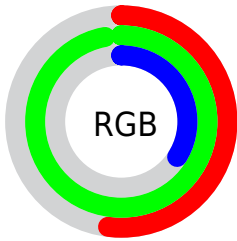
<b>Format</b>	<b>Color</b>
<b>RYB</b>	87, 247, 202
Decimal	8714071
CIELab	88.00, -60.14, 64.55
CIELCh	88, 88.226, 132.973
Yxy	72.0653, 0.3243, 0.5257
Android (android.graphics.Color)	4286904151 (0xFF84F757)
YUV	194.3750, -52.9359, -54.7029
Hunter-Lab	84.8913, -55.0716, 45.0580

# Details

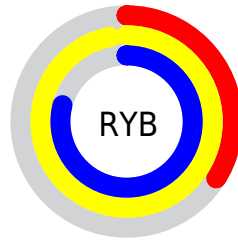
The CIELCh color **88, 88.226, 132.973** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **58, 91.625, 318.782**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 60.807, 129.163**, and **68, 88.409, 132.976** is the 20% darker color. If you saturate the color by 10%, you get **87, 98.478, 132.718**, and if you desaturate by 10%, it is **89, 76.285, 133.438**.

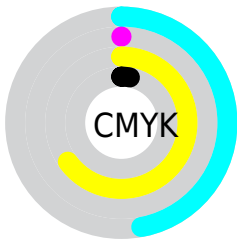
# Distribution



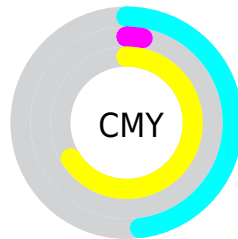
- Red (52%)
- Green (97%)
- Blue (34%)



- Red (34%)
- Yellow (97%)
- Blue (79%)



- Cyan (47%)
- Magenta (0%)
- Yellow (65%)
- Black (3%)




- Cyan (48%)
- Magenta (3%)
- Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 88.226, 132.973 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, 88.226, 132.973 by changing the saturation by 10% instead.





 88, 88.226,  
132.973

 88, 88.226,  
132.973


 100, 88.226,  
132.973

 78, 88.226,  
132.973

 68, 88.226,  
132.973

 58, 88.226,  
132.973

 48, 88.226,  
132.973

 38, 88.226,  
132.973


 28, 88.226,  
132.973


 18, 88.226,


132.973

 8, 88.226, 132.973


 0, 88.226, 132.973


 88, 88.226,  
132.973


 88, 88.226,  
132.973


 87, 98.478,  
132.718


 89, 76.285,  
133.438


 87, 106.413,  
132.802

 90, 63.218,  
133.998

 86, 111.585,  
133.323

 91, 49.458,  
134.582


 86, 113.376,  
133.699

 93, 35.325,  
135.145

 95, 21.045,

135.667

 96, 6.783, 136.155

 98, 5.021, 324.555

# Harmonies

# Complementary

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



88, 88.226, 132.973



58, 91.625, 318.782

# Rectangle

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



88, 88.226, 132.973



88, 88.226, 182.973



88, 88.226, 312.973



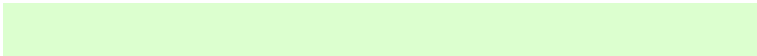
88, 88.226, 2.973

# Sweetspot

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



88, 88.227, 132.974



97, 27.773, 135.451



83, 61.672, 86.307



51, 19.121, 135.301



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, 88.227, 132.974



90, 103.914, 132.701



87, 82.367, 144.452



50, 8.011, 135.927



66, 91.464, 133.489



21, 38.775, 132.837



# Inverse Universe

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



58, 91.625, 318.782



54, 107.884, 318.790



63, 80.739, 335.761



48, 8.073, 316.712



35, 94.208, 317.960

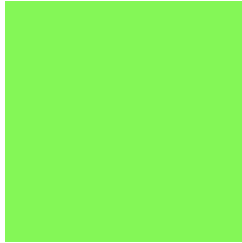


7, 41.524, 319.141



# Previews

## White Background



This preview shows how the CIELCh color 88, 88.226, 132.973 looks on a white background.

## Color Contrast Check

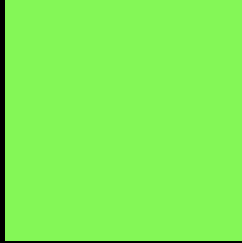
Large Text (above 18pt) WCAG AA × Fail

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, 88.226, 132.973 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

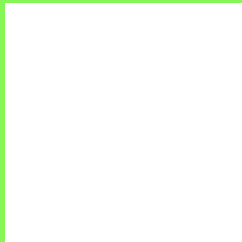
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 88, 88.226, 132.973**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 88, 88.226, 132.973.

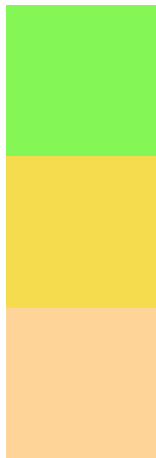


This preview shows how white text looks on a background with the CIELCh color 88, 88.226, 132.973.

# 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, 88.226, 132.973

**Protanopia**  
88, 69.673, 95.477

**Deuteranopia**  
87, 35.590, 78.062





**Tritanopia**  
88, 23.595, 223.205

# Trichromacy



**Original Color**  
88, 88.226, 132.973



**Protanomaly**  
87, 72.286, 112.862



**Deuteranomaly**  
87, 49.118, 113.172

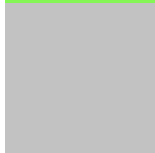


**Tritanomaly**  
87, 38.697, 158.611

# Monochromacy



**Original Color**  
88, 88.226, 132.973



**Achromatopsia**  
78, 0.009, 296.813



**Achromatomaly**  
81, 34.461, 135.185

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 88.226, 132.973 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(132, 247, 87)` looks like.

```
.text, #text, p{  
    color:rgb(132, 247, 87)  
}
```

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(132, 247, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 247, 87) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 88.226, 132.973 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(132, 247, 87) }
```

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

```
.border{ border-color:rgb(132, 247, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 247, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 247, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 247, 87);  
box-shadow:4px 4px 4px 4px rgb(132, 247,  
87) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 88.226, 132.973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 247, 87) }
```

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

```
.background{ background-color: rgb(132,  
247, 87) }
```

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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