

Converting Colors

CIELCh(89, 73.369, 132.070)

Have a look what the booklet for
CIELCh(89, 73.369, 132.070)
contains.

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Color

CIELCh(89, 73.473, 132.015)

Conversions

Conversions Part 1

Format	Color
Hex	9EF672
RGB	158, 246, 114
RGB Percent	62%, 96%, 45%
CMY	0.3816, 0.0365, 0.5541
CMYK	0.36, 0.00, 0.54, 0.04
HSL	100°, 88%, 70%
HSV	100°, 54%, 96%
XYZ	49.9189, 74.1641, 27.5162
YIQ	204.6400, -10.0760, -59.7080

Conversions

Conversions Part 2

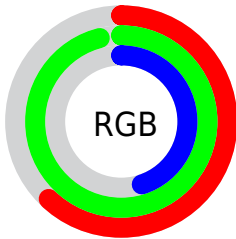
Format	Color
RYB	114, 246, 202
Decimal	10417778
CIELab	89.00, -49.18, 54.59
CIELCh	89, 73.473, 132.015
Yxy	74.1641, 0.3293, 0.4892
Android (android.graphics.Color)	4288607858 (0xFF9EF672)
YUV	204.6400, -44.6855, -40.9033
Hunter-Lab	86.1186, -47.2396, 41.3390

Details

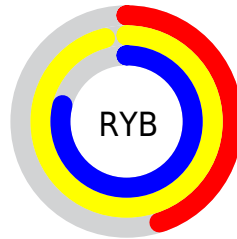
The CIELCh color **89, 73.473, 132.015** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **63, 76.856, 316.920**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 45.721, 125.785**, and **69, 73.521, 131.938** is the 20% darker color. If you saturate the color by 10%, you get **88, 85.365, 131.616**, and if you desaturate by 10%, it is **90, 60.556, 132.521**.

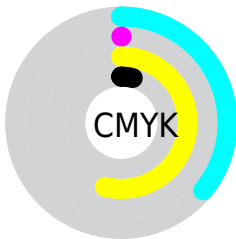
Distribution



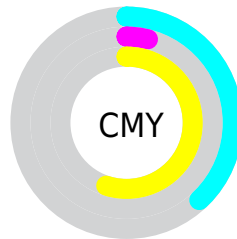
- Red (62%)
- Green (96%)
- Blue (45%)



- Red (45%)
- Yellow (96%)
- Blue (79%)



- Cyan (36%)
- Magenta (0%)
- Yellow (54%)
- Black (4%)





- Cyan (38%)
- Magenta (4%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 73.473, 132.015 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 89, 73.473, 132.015 by changing the saturation by 10% instead.


 89, 73.473,
132.015


 89, 73.473,
132.015


 100, 73.473,
132.015


 79, 73.473,
132.015

 69, 73.473,
132.015

 59, 73.473,
132.015

 49, 73.473,
132.015

 39, 73.473,
132.015


 29, 73.473,
132.015


 19, 73.473,


132.015


 9, 73.473, 132.015


 0, 73.473, 132.015


 89, 73.473,
132.015


 89, 73.473,
132.015


 88, 85.365,
131.616


 90, 60.556,
132.521


 87, 95.693,
131.428


 91, 47.014,
133.059

 87, 103.844,
131.586

 93, 33.140,
133.586

 86, 109.347,
132.195

 94, 19.139,
134.083

 86, 111.623,

 96, 5.159, 134.558

132.744



98, 5.799, 324.590

Harmonies

Complementary

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



89, 73.473, 132.015



63, 76.856, 316.920

Rectangle

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



89, 73.473, 132.015



89, 73.473, 182.015



89, 73.473, 312.015



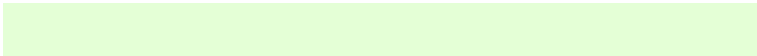
89, 73.473, 2.015

Sweetspot

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



89, 73.474, 132.016



97, 23.022, 133.971



83, 49.620, 83.893



51, 15.549, 133.870



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 73.474, 132.016



91, 88.275, 131.603



88, 72.295, 144.458



50, 7.894, 134.282



67, 90.381, 132.511



21, 38.267, 131.661

Inverse Universe

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



63, 76.856, 316.920



59, 92.900, 317.181



67, 71.743, 332.846



48, 7.966, 315.055



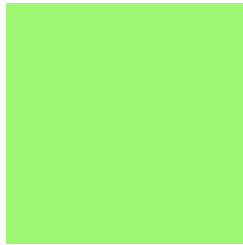
34, 95.130, 316.331



7, 41.628, 317.540

Previews

White Background



This preview shows how the CIELCh color 89, 73.473, 132.015 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 89, 73.473, 132.015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

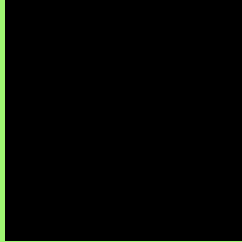
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 73.473, 132.015

Background



This preview shows how black text looks on a background with the CIELCh color 89, 73.473, 132.015.

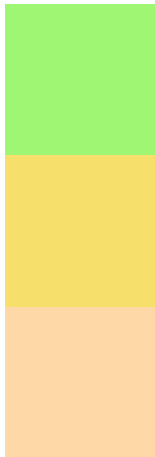


This preview shows how white text looks on a background with the CIELCh color 89, 73.473, 132.015.

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
89, 73.473, 132.015

Protanopia
89, 59.457, 95.856

Deuteranopia
89, 29.577, 76.320

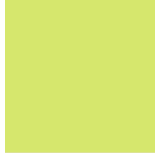


Tritanopia
89, 18.856, 230.377

Trichromacy



Original Color
89, 73.473, 132.015



Protanomaly
88, 61.002, 111.743



Deuteranomaly
88, 40.473, 110.761

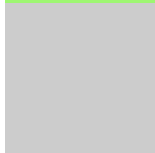


Tritanomaly
88, 29.490, 158.042

Monochromacy



Original Color
89, 73.473, 132.015



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 27.895, 133.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 73.473, 132.015 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(158, 246, 114)` looks like.

```
.text, #text, p{  
    color:rgb(158, 246, 114)  
}
```

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(158, 246, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 246, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 73.473, 132.015 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(158, 246, 114) }
```

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

```
.border{ border-color:rgb(158, 246, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 246, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 246, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 246, 114);  
box-shadow:4px 4px 4px 4px rgb(158, 246,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 73.473, 132.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 246, 114) }
```

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

```
.background{ background-color: rgb(158,  
246, 114) }
```

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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