

Converting Colors

CIELCh(89, 62.810, 137.198)

Have a look what the booklet for
CIELCh(89, 62.810, 137.198)
contains.

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Color

CIELCh(89, 62.865, 137.113)

Conversions

Conversions Part 1

Format	Color
Hex	9DF58B
RGB	157, 245, 139
RGB Percent	62%, 96%, 55%
CMY	0.3852, 0.0401, 0.4557
CMYK	0.36, 0.00, 0.43, 0.04
HSL	110°, 84%, 75%
HSV	110°, 43%, 96%
XYZ	51.0847, 74.1641, 35.9649
YIQ	206.6040, -18.4220, -51.6220

Conversions

Conversions Part 2

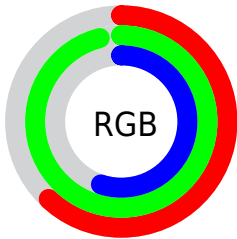
Format	Color
RYB	139, 245, 227
Decimal	10352011
CIELab	89.00, -46.06, 42.78
CIELCh	89, 62.865, 137.113
Yxy	74.1641, 0.3169, 0.4600
Android (android.graphics.Color)	4288542091 (0xFF9DF58B)
YUV	206.6040, -33.3288, -43.5027
Hunter-Lab	86.1186, -44.8231, 35.5223

Details

The CIELCh color **89, 62.865, 137.113** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **70, 63.769, 321.634**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 34.338, 133.222**, and **69, 62.705, 137.132** is the 20% darker color. If you saturate the color by 10%, you get **88, 76.334, 136.376**, and if you desaturate by 10%, it is **90, 48.680, 137.826**.

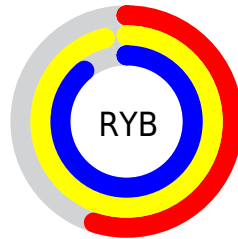
Distribution



Red (62%)

Green (96%)

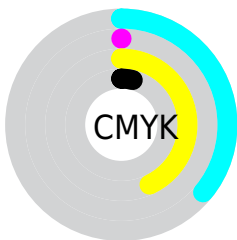
Blue (55%)



Red (55%)

Yellow (96%)

Blue (89%)

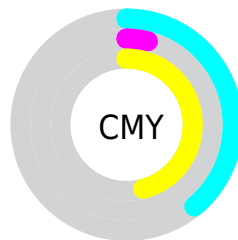


Cyan (36%)

Magenta (0%)

Yellow (43%)

Black (4%)



Cyan (39%)


Magenta (4%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 62.865, 137.113 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, 62.865, 137.113 by changing the saturation by 10% instead.


 89, 62.865,
137.113


 89, 62.865,
137.113


 100, 62.865,
137.113


 79, 62.865,
137.113

 69, 62.865,
137.113

 59, 62.865,
137.113

 49, 62.865,
137.113

 39, 62.865,
137.113


 29, 62.865,
137.113


 19, 62.865,


137.113

 9, 62.865, 137.113

 0, 62.865, 137.113


 89, 62.865,
137.113


 89, 62.865,
137.113


 88, 76.334,
136.376


 90, 48.680,
137.826

 87, 88.631,
135.674


 92, 34.114,
138.480

 86, 99.184,
135.112

 94, 19.421,
139.065


 85, 107.352,
134.821

 96, 4.784, 139.611

 85, 112.635,

 97, 6.372, 324.615

134.913

 85, 114.723,
135.126

Harmonies

Complementary

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



89, 62.865, 137.113



70, 63.769, 321.634

Rectangle

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



89, 62.865, 137.113



89, 62.865, 187.113



89, 62.865, 317.113



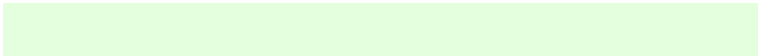
89, 62.865, 7.113

Sweetspot

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



89, 62.866, 137.114



97, 19.622, 139.080



90, 44.902, 96.294



52, 13.743, 138.957



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, 62.866, 137.114



91, 77.143, 136.463



89, 52.664, 150.998



50, 8.283, 139.272



66, 93.245, 134.989



21, 39.723, 134.844

Inverse Universe

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



70, 63.769, 321.634



68, 78.288, 321.945



71, 53.329, 338.373



48, 8.324, 320.123



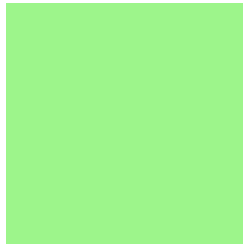
39, 92.577, 321.778



9, 41.044, 322.593

Previews

White Background



This preview shows how the CIELCh color 89, 62.865, 137.113 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, 62.865, 137.113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

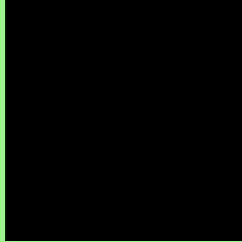
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 62.865, 137.113

Background



This preview shows how black text looks on a background with the CIELCh color 89, 62.865, 137.113.

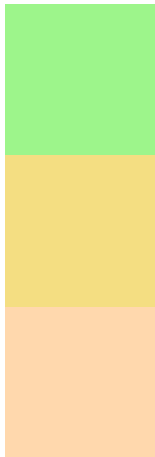


This preview shows how white text looks on a background with the CIELCh color 89, 62.865, 137.113.

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, 62.865, 137.113

Protanopia
88, 47.841, 95.257

Deuteranopia
89, 27.347, 73.871

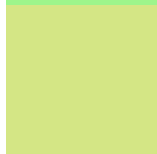


Tritanopia
89, 19.650, 227.104

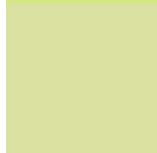
Trichromacy



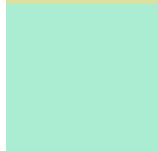
Original Color
89, 62.865, 137.113



Protanomaly
88, 49.618, 114.493



Deuteranomaly
88, 33.530, 112.085

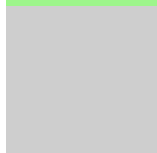


Tritanomaly
89, 27.232, 166.483

Monochromacy



Original Color
89, 62.865, 137.113



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 23.252, 139.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 62.865, 137.113 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(157, 245, 139)` looks like.

```
.text, #text, p{  
    color:rgb(157, 245, 139)  
}
```

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(157, 245, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 245, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 62.865, 137.113 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(157, 245, 139) }
```

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

```
.border{ border-color:rgb(157, 245, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 245, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 245, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 245, 139);  
box-shadow:4px 4px 4px 4px rgb(157, 245,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 62.865, 137.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 245, 139) }
```

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

```
.background{ background-color: rgb(157,  
245, 139) }
```

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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