

Converting Colors

CIELCh(90, 89.412, 137.516)

Have a look what the booklet for
CIELCh(90, 89.412, 137.516)
contains.

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Color

CIELCh(90, 89.412, 137.516)

Conversions

Conversions Part 1

Format	Color
Hex	74FF66
RGB	116, 255, 102
RGB Percent	45%, 100%, 40%
CMY	0.5445, 0.0000, 0.5994
CMYK	0.54, 0.00, 0.60, 0.00
HSL	114°, 100%, 70%
HSV	114°, 60%, 100%
XYZ	45.4380, 76.3034, 24.9406
YIQ	195.9970, -33.7310, -77.0510

Conversions

Conversions Part 2

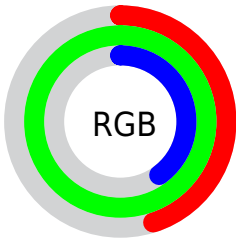
Format	Color
RYB	102, 255, 241
Decimal	7667558
CIELab	90.00, -65.94, 60.39
CIElCh	90, 89.412, 137.516
Yxy	76.3034, 0.3098, 0.5202
Android (android.graphics.Color)	4285857638 (0xFF74FF66)
YUV	195.9970, -46.3405, -70.1574
Hunter-Lab	87.3518, -60.0148, 44.2178

Details

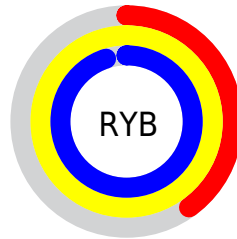
The CIELCh color **90, 89.412, 137.516** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **66, 89.384, 324.603**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 57.120, 136.265**, and **70, 89.368, 137.472** is the 20% darker color. If you saturate the color by 10%, you get **89, 100.879, 136.679**, and if you desaturate by 10%, it is **91, 76.045, 138.418**.

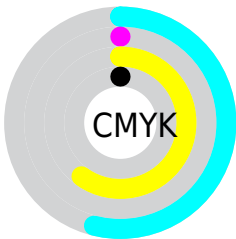
Distribution



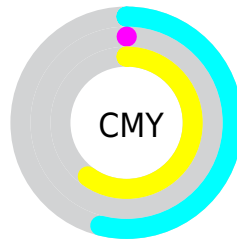
- Red (45%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (95%)



- Cyan (54%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 89.412, 137.516 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, 89.412, 137.516 by changing the saturation by 10% instead.


 90, 89.412,
137.516


 90, 89.412,
137.516


 100, 89.412,
137.516


 80, 89.412,
137.516

 70, 89.412,
137.516

 60, 89.412,
137.516


 50, 89.412,
137.516

 40, 89.412,
137.516


 30, 89.412,
137.516


 20, 89.412,


137.516


 10, 89.412,
137.516


 0, 89.412, 137.516


 90, 89.412,
137.516


 90, 89.412,
137.516


 89, 100.879,
136.679


 91, 76.045,
138.418


 88, 110.007,
136.031

 92, 61.589,
139.294

 88, 116.128,
135.707

 94, 46.432,
140.098

 88, 119.249,
135.703

 96, 30.931,
140.812

■ 88, 119.263,
135.702

■ 98, 15.355,
141.439

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, 89.412, 137.516



66, 89.384, 324.603

Rectangle

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



90, 89.412, 137.516



90, 89.412, 187.516



90, 89.412, 317.516



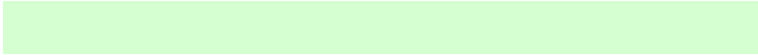
90, 89.412, 7.516

Sweetspot

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



90, 89.336, 137.517



96, 27.904, 140.941



94, 67.494, 99.383



51, 19.403, 140.747



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, 89.336, 137.517



89, 102.977, 136.525



90, 68.390, 152.069



52, 8.778, 141.465



68, 95.947, 135.617



23, 43.085, 135.511

Inverse Universe

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



66, 89.384, 324.603



62, 102.275, 324.847



65, 69.694, 344.617



50, 8.806, 322.398



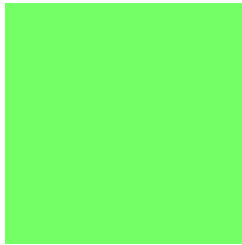
42, 93.639, 324.662



11, 43.036, 325.083

Previews

White Background



This preview shows how the CIELCh color 90, 89.412, 137.516 looks on a white background.

Color Contrast Check

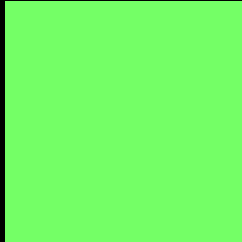
Large Text (above 18pt) WCAG AA × Fail

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, 89.412, 137.516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

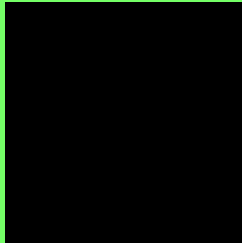
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

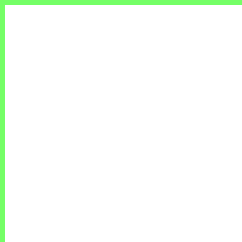
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 89.412, 137.516

Background



This preview shows how black text looks on a background with the CIELCh color 90, 89.412, 137.516.

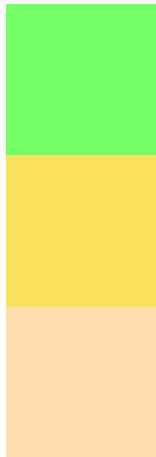


This preview shows how white text looks on a background with the CIELCh color 90, 89.412, 137.516.

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, 89.412, 137.516

Protanopia

89, 66.022, 95.480

Deuteranopia

89, 27.931, 77.484

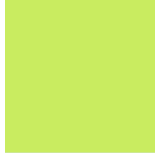


Tritanopia
90, 25.274, 218.631

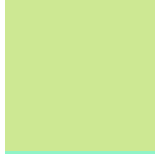
Trichromacy



Original Color
90, 89.412, 137.516



Protanomaly
89, 69.798, 116.437



Deuteranomaly
88, 44.577, 120.387

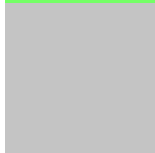


Tritanomaly
89, 41.225, 162.220

Monochromacy



Original Color
90, 89.412, 137.516



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 34.514, 140.475

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 89.412, 137.516 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(116, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(116, 255, 102)  
}
```

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(116, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 255, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 89.412, 137.516 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(116, 255, 102) }
```

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

```
.border{ border-color:rgb(116, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(116, 255,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 89.412, 137.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 255, 102) }
```

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

```
.background{ background-color: rgb(116,  
255, 102) }
```

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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