

Converting Colors

CIELCh(100, 107.952, 137.298)

Have a look what the booklet for
CIELCh(100, 107.952, 137.298)
contains.

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Color

CIElCh(90, 91.898, 137.398)

Conversions

Conversions Part 1

Format	Color
Hex	70FF62
RGB	112, 255, 98
RGB Percent	44%, 100%, 38%
CMY	0.5615, 0.0000, 0.6168
CMYK	0.56, 0.00, 0.62, 0.00
HSL	115°, 100%, 69%
HSV	115°, 62%, 100%
XYZ	44.8460, 76.3034, 23.8452
YIQ	194.3450, -34.8310, -79.1430

Conversions

Conversions Part 2

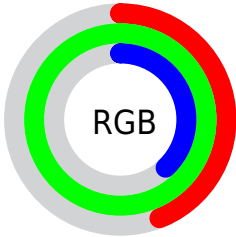
Format	Color
R_{YB}	98, 255, 241
Decimal	7405410
CIE _{Lab}	90.00, -67.64, 62.21
CIE _{LCh}	90, 91.898, 137.398
Yxy	76.3034, 0.3093, 0.5262
Android (android.graphics.Color)	4285595490 (0xFF70FF62)
YUV	194.3450, -47.4981, -72.2166
Hunter-Lab	87.3518, -61.2245, 44.9613

Details

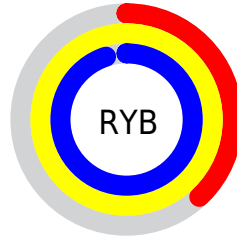
The CIELCh color **90, 91.898, 137.398** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **65, 91.478, 324.712**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 59.116, 136.628**, and **70, 91.321, 137.458** is the 20% darker color. If you saturate the color by 10%, you get **89, 102.706, 136.580**, and if you desaturate by 10%, it is **91, 78.504, 138.304**.

Distribution



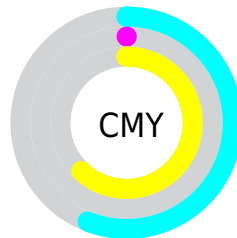
- Red (44%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (95%)



- Cyan (56%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)





- Cyan (56%)
- Magenta (0%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 91.898, 137.398 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, 91.898, 137.398 by changing the saturation by 10% instead.


 90, 91.898,
137.398


 90, 91.898,
137.398


 100, 91.898,
137.398


 80, 91.898,
137.398

 70, 91.898,
137.398

 60, 91.898,
137.398

 50, 91.898,
137.398

 40, 91.898,
137.398

 30, 91.898,
137.398

 20, 91.898,

137.398

■ 10, 91.898,
137.398

■ 0, 91.898, 137.398

■ 90, 91.898,
137.398

■ 90, 91.898,
137.398

■ 89, 102.706,
136.580

■ 91, 78.504,
138.304

■ 88, 111.339,
135.972

■ 92, 64.209,
139.192

■ 88, 116.891,
135.707

■ 94, 49.137,
140.014

■ 88, 119.279,
135.713

■ 95, 33.666,
140.747

■ 97, 18.077,
141.390

■ 100, 2.580,
142.029

■ 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, 91.898, 137.398



65, 91.478, 324.712

Rectangle

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



90, 91.898, 137.398



90, 91.898, 187.398



90, 91.898, 317.398



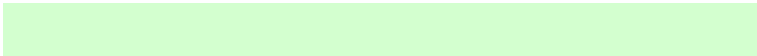
90, 91.898, 7.398

Sweetspot

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



90, 91.537, 137.401



96, 29.482, 140.928



93, 69.175, 99.206



51, 20.301, 140.735



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, 91.537, 137.401



89, 104.954, 136.415



90, 70.084, 151.789



52, 8.784, 141.520



68, 95.962, 135.628



23, 43.101, 135.538

Inverse Universe

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



65, 91.478, 324.712



61, 104.050, 324.934



65, 71.270, 344.873



50, 8.811, 322.455



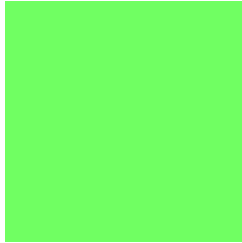
42, 93.621, 324.738



11, 43.030, 325.150

Previews

White Background



This preview shows how the CIE LCh color 90, 91.898, 137.398 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, 91.898, 137.398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

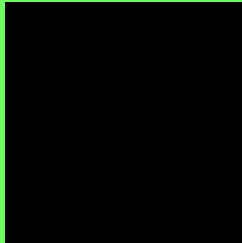
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

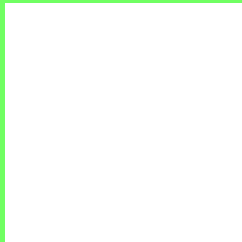
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 91.898, 137.398

Background



This preview shows how black text looks on a background with the CIELCh color 90, 91.898, 137.398.

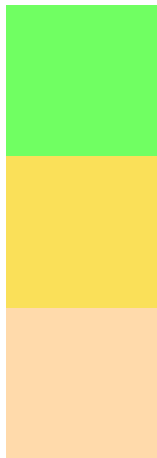


This preview shows how white text looks on a background with the CIELCh color 90, 91.898, 137.398.

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, 91.407, 137.422

Protanopia
89, 67.347, 95.147

Deuteranopia
89, 28.627, 77.238



Tritanopia
89, 25.877, 219.370

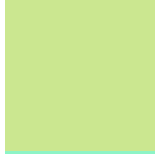
Trichromacy



Original Color
90, 91.407, 137.422



Protanomaly
88, 71.012, 116.151

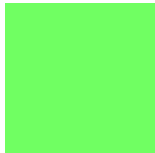


Deuteranomaly
88, 45.660, 120.501

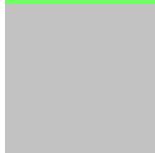


Tritanomaly
89, 42.254, 162.252

Monochromacy



Original Color
90, 91.407, 137.422



Achromatopsia
78, 0.009, 296.813



Achromatomaly
82, 35.835, 140.483

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 91.898, 137.398 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(112, 255, 98)` looks like.

```
.text, #text, p{  
    color:rgb(112, 255, 98)  
}
```

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(112, 255, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 91.898, 137.398 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(112, 255, 98) }
```

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

```
.border{ border-color:rgb(112, 255, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 255, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 255, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 255, 98);  
box-shadow:4px 4px 4px 4px rgb(112, 255,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 91.898, 137.398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 255, 98) }
```

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

```
.background{ background-color: rgb(112,  
255, 98) }
```

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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