

Converting Colors

CIELCh(90, 76.618, 148.101)

Have a look what the booklet for
CIELCh(90, 76.618, 148.101)
contains.

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Color

CIELCh(90, 76.446, 148.086)

Conversions

Conversions Part 1

Format	Color
Hex	5FFF91
RGB	95, 255, 145
RGB Percent	37%, 100%, 57%
CMY	0.6255, 0.0000, 0.4299
CMYK	0.63, 0.00, 0.43, 0.00
HSL	139°, 100%, 69%
HSV	139°, 63%, 100%
XYZ	45.8043, 76.3034, 39.2558
YIQ	194.6200, -60.0500, -68.1300

Conversions

Conversions Part 2

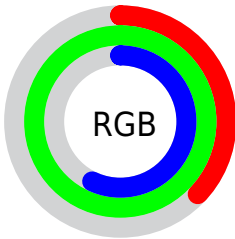
Format	Color
RYB	95, 217, 255
Decimal	6291345
CIELab	90.00, -64.89, 40.41
CIELCh	90, 76.446, 148.086
Yxy	76.3034, 0.2839, 0.4729
Android (android.graphics.Color)	4284481425 (0xFF5FFF91)
YUV	194.6200, -24.4627, -87.3667
Hunter-Lab	87.3518, -59.2663, 34.5014

Details

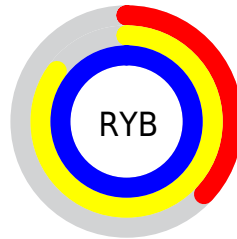
The CIELCh color **90, 76.446, 148.086** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **65, 75.885, 340.187**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 43.595, 156.365**, and **70, 75.599, 147.676** is the 20% darker color. If you saturate the color by 10%, you get **89, 85.994, 146.441**, and if you desaturate by 10%, it is **91, 65.390, 149.621**.

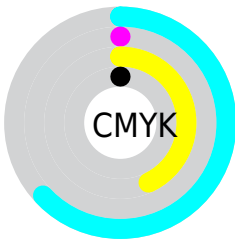
Distribution



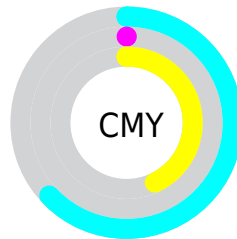
- Red (37%)
- Green (100%)
- Blue (57%)



- Red (37%)
- Yellow (85%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)





- Cyan (63%)
- Magenta (0%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 76.446, 148.086 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, 76.446, 148.086 by changing the saturation by 10% instead.


 90, 76.446,
148.086


 90, 76.446,
148.086

 100, 76.446,
148.086


 80, 76.446,
148.086

 70, 76.446,
148.086

 60, 76.446,
148.086


 50, 76.446,
148.086

 40, 76.446,
148.086


 30, 76.446,
148.086


 20, 76.446,


148.086


 10, 76.446,
148.086


 0, 76.446, 148.086


 90, 76.446,
148.086


 90, 76.446,
148.086


 89, 85.994,
146.441


 91, 65.390,
149.621


 89, 94.500,
144.578

 92, 53.706,
150.927

 88, 101.640,
142.590

 94, 41.424,
152.061

 88, 106.109,
141.120

 95, 28.783,
153.047

■ 97, 15.994,
153.912

■ 99, 3.230, 154.759

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, 76.446, 148.086



65, 75.885, 340.187

Rectangle

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



90, 76.446, 148.086



90, 76.446, 198.086



90, 76.446, 328.086



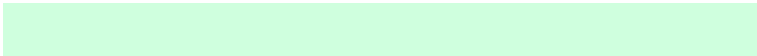
90, 76.446, 18.086

Sweetspot

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



90, 76.230, 148.128



96, 24.246, 153.367



94, 78.430, 118.518



51, 16.689, 153.111



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, 76.230, 148.128



89, 88.197, 146.001



91, 49.146, 176.607



52, 7.234, 154.158



68, 84.740, 141.490



23, 36.498, 144.416

Inverse Universe

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



65, 75.885, 340.187



61, 85.266, 341.779



63, 64.719, 13.677



50, 7.273, 335.438



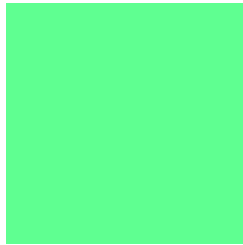
42, 73.722, 345.896



11, 34.748, 343.141

Previews

White Background



This preview shows how the CIE LCh color 90, 76.446, 148.086 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, 76.446, 148.086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

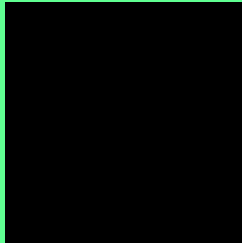
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 76.446, 148.086

Background



This preview shows how black text looks on a background with the CIELCh color 90, 76.446, 148.086.

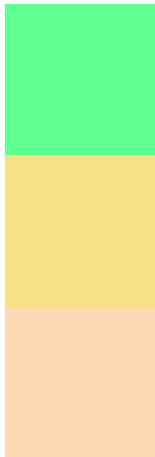


This preview shows how white text looks on a background with the CIELCh color 90, 76.446, 148.086.

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, 76.446, 148.086

Protanopia
89, 46.733, 95.675

Deuteranopia
89, 24.477, 71.029

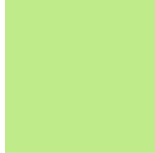


Tritanopia
90, 27.368, 215.690

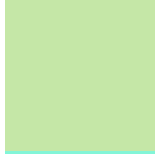
Trichromacy



Original Color
90, 76.446, 148.086



Protanomaly
88, 52.087, 125.435



Deuteranomaly
88, 35.447, 128.882

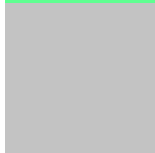


Tritanomaly
89, 39.772, 173.651

Monochromacy



Original Color
90, 76.446, 148.086



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 29.964, 152.579

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 76.446, 148.086 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(95, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(95, 255, 145)  
}
```

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(95, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 255, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 76.446, 148.086 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(95, 255, 145) }
```

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

```
.border{ border-color:rgb(95, 255, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 255, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 255, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 255, 145);  
box-shadow:4px 4px 4px 4px rgb(95, 255,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 76.446, 148.086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 255, 145) }
```

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

```
.background{ background-color: rgb(95, 255,  
145) }
```

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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