

Converting Colors

CIELCh(90, 76.101, 145.370)

Have a look what the booklet for
CIELCh(90, 76.101, 145.370)
contains.

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Color

CIELCh(90, 75.754, 145.481)

Conversions

Conversions Part 1

Format	Color
Hex	6DFE8C
RGB	109, 254, 140
RGB Percent	43%, 100%, 55%
CMY	0.5710, 0.0024, 0.4496
CMYK	0.57, 0.00, 0.45, 0.00
HSL	133°, 99%, 71%
HSV	133°, 57%, 100%
XYZ	46.6770, 76.3034, 37.2113
YIQ	197.6490, -49.8260, -66.1940

Conversions

Conversions Part 2

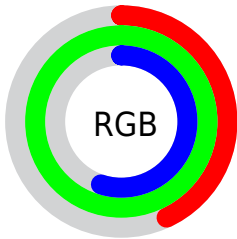
Format	Color
RYB	109, 228, 254
Decimal	7208588
CIELab	90.00, -62.42, 42.93
CIELCh	90, 75.754, 145.481
Yxy	76.3034, 0.2914, 0.4763
Android (android.graphics.Color)	4285398668 (0xFF6DFE8C)
YUV	197.6490, -28.4210, -77.7452
Hunter-Lab	87.3518, -57.4830, 35.8891

Details

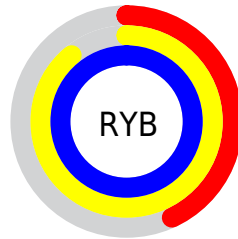
The CIELCh color **90, 75.754, 145.481** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **68, 75.111, 334.987**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 42.790, 150.977**, and **70, 75.579, 145.603** is the 20% darker color. If you saturate the color by 10%, you get **89, 86.891, 143.991**, and if you desaturate by 10%, it is **91, 63.530, 146.804**.

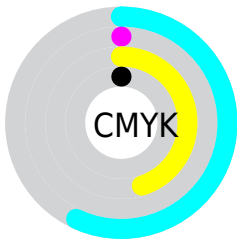
Distribution



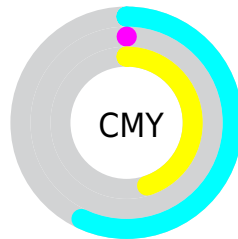
- Red (43%)
- Green (100%)
- Blue (55%)



- Red (43%)
- Yellow (89%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 75.754, 145.481 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, 75.754, 145.481 by changing the saturation by 10% instead.


 90, 75.754,
145.481


 90, 75.754,
145.481


 100, 75.754,
145.481


 80, 75.754,
145.481

 70, 75.754,
145.481

 60, 75.754,
145.481


 50, 75.754,
145.481

 40, 75.754,
145.481


 30, 75.754,
145.481


 20, 75.754,


145.481


 10, 75.754,
145.481


 0, 75.754, 145.481


 90, 75.754,
145.481


 90, 75.754,
145.481


 89, 86.891,
143.991


 91, 63.530,
146.804


 88, 96.640,
142.359

 93, 50.522,
147.959

 88, 104.743,
140.649

 94, 37.023,
148.959

 88, 111.007,
138.968

 96, 23.290,
149.822

■ 88, 112.563,
138.520

■ 98, 9.533, 150.584
100, 0.394,
323.669

Harmonies

Complementary

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



90, 75.754, 145.481



68, 75.111, 334.987

Rectangle

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



90, 75.754, 145.481



90, 75.754, 195.481



90, 75.754, 325.481



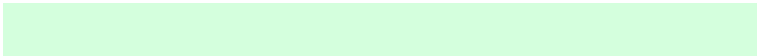
90, 75.754, 15.481

Sweetspot

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



90, 75.755, 145.481



96, 23.349, 149.822



95, 71.034, 114.279



51, 15.625, 149.658



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, 75.755, 145.481



89, 88.114, 143.831



91, 49.998, 169.481



52, 7.782, 150.398



68, 90.199, 138.814



23, 39.120, 141.339

Inverse Universe

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



68, 75.111, 334.987



64, 85.788, 335.896



65, 59.254, 4.402



50, 7.808, 331.576



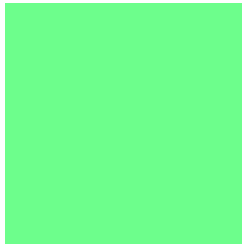
43, 78.895, 339.016



11, 36.994, 337.446

Previews

White Background



This preview shows how the CIE LCh color 90, 75.754, 145.481 looks on a white background.

Color Contrast Check

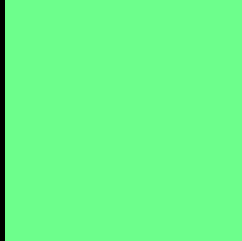
Large Text (above 18pt) WCAG AA × Fail

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, 75.754, 145.481 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

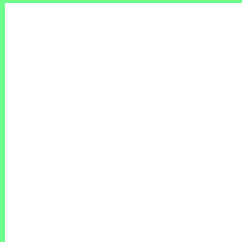
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 75.754, 145.481

Background



This preview shows how black text looks on a background with the CIELCh color 90, 75.754, 145.481.

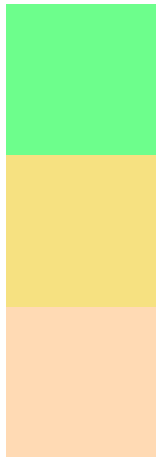


This preview shows how white text looks on a background with the CIELCh color 90, 75.754, 145.481.

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, 75.754, 145.481

Protanopia
89, 49.565, 96.016

Deuteranopia
89, 24.633, 72.417



Tritanopia
90, 26.009, 217.983

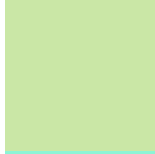
Trichromacy



Original Color
90, 75.754, 145.481



Protanomaly
89, 54.276, 122.843



Deuteranomaly
88, 35.244, 125.802

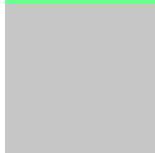


Tritanomaly
89, 37.748, 171.601

Monochromacy



Original Color
90, 75.754, 145.481



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 29.534, 149.029

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 75.754, 145.481 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(109, 254, 140)` looks like.

```
.text, #text, p{  
    color:rgb(109, 254, 140)  
}
```

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(109, 254, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 254, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 75.754, 145.481 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(109, 254, 140) }
```

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

```
.border{ border-color:rgb(109, 254, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 254, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 254, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 254, 140);  
box-shadow:4px 4px 4px 4px rgb(109, 254,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 75.754, 145.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 254, 140) }
```

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

```
.background{ background-color: rgb(109,  
254, 140) }
```

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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