

Converting Colors

CIELCh(90, 78.224, 145.704)

Have a look what the booklet for
CIELCh(90, 78.224, 145.704)
contains.

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Color

CIElCh(90, 78.109, 145.770)

Conversions

Conversions Part 1

Format	Color
Hex	66FF8A
RGB	102, 255, 138
RGB Percent	40%, 100%, 54%
CMY	0.5993, 0.0000, 0.4582
CMYK	0.60, 0.00, 0.46, 0.00
HSL	134°, 100%, 70%
HSV	134°, 60%, 100%
XYZ	45.9135, 76.3034, 36.4113
YIQ	195.9150, -53.6310, -68.8230

Conversions

Conversions Part 2

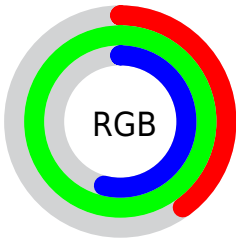
Format	Color
RYB	102, 226, 255
Decimal	6750090
CIELab	90.00, -64.58, 43.94
CIELCh	90, 78.109, 145.770
Yxy	76.3034, 0.2894, 0.4810
Android (android.graphics.Color)	4284940170 (0xFF66FF8A)
YUV	195.9150, -28.5521, -82.3635
Hunter-Lab	87.3518, -59.0432, 36.4321

Details

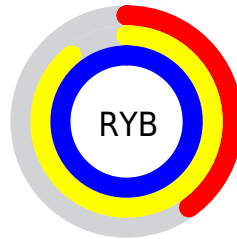
The CIELCh color **90, 78.109, 145.770** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **66, 77.197, 336.191**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 44.894, 151.700**, and **70, 77.945, 145.868** is the 20% darker color. If you saturate the color by 10%, you get **89, 88.660, 144.222**, and if you desaturate by 10%, it is **91, 66.245, 147.174**.

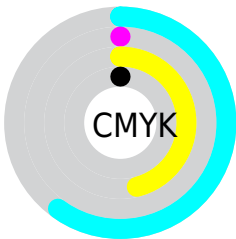
Distribution



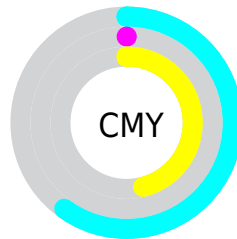
- Red (40%)
- Green (100%)
- Blue (54%)



- Red (40%)
- Yellow (89%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 78.109, 145.770 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, 78.109, 145.770 by changing the saturation by 10% instead.


 90, 78.109,
145.770


 90, 78.109,
145.770


 100, 78.109,
145.770


 80, 78.109,
145.770

 70, 78.109,
145.770

 60, 78.109,
145.770


 50, 78.109,
145.770

 40, 78.109,
145.770


 30, 78.109,
145.770


 20, 78.109,

145.770


 10, 78.109,
145.770


 0, 78.109, 145.770


 90, 78.109,
145.770


 90, 78.109,
145.770

 89, 88.660,
144.222


 91, 66.245,
147.174


 89, 97.896,
142.517

 92, 53.620,
148.390

 88, 105.515,
140.735

 94, 40.434,
149.444

 88, 111.427,
139.022

 96, 26.945,
150.356

■ 88, 111.466,
139.011

■ 98, 13.373,
151.152

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, 78.109, 145.770



66, 77.197, 336.191

Rectangle

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



90, 78.109, 145.770



90, 78.109, 195.770



90, 78.109, 325.770



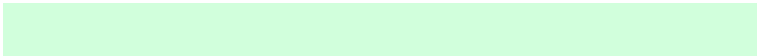
90, 78.109, 15.770

Sweetspot

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



90, 78.021, 145.783



96, 24.332, 150.517



95, 74.698, 115.662



51, 16.916, 150.271



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, 78.021, 145.783



89, 90.699, 143.878



91, 50.549, 171.529



52, 7.658, 151.184



68, 89.114, 139.326



23, 38.570, 141.957

Inverse Universe

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



66, 77.197, 336.191



62, 87.597, 337.306



64, 62.009, 7.726



50, 7.687, 332.382



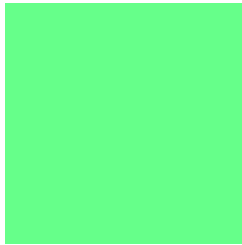
43, 77.649, 340.426



11, 36.465, 338.621

Previews

White Background



This preview shows how the CIE LCh color 90, 78.109, 145.770 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, 78.109, 145.770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

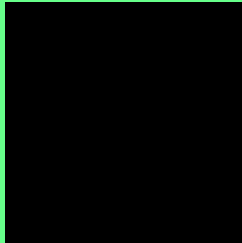
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 78.109, 145.770

Background



This preview shows how black text looks on a background with the CIELCh color 90, 78.109, 145.770.

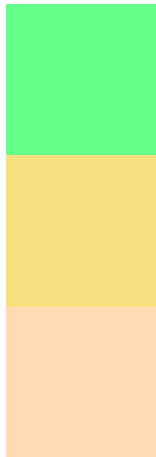


This preview shows how white text looks on a background with the CIELCh color 90, 78.109, 145.770.

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, 78.109, 145.770

Protanopia
89, 50.153, 95.574

Deuteranopia
89, 25.067, 73.035

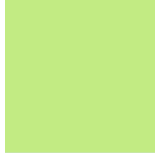


Tritanopia
90, 26.494, 217.575

Trichromacy



Original Color
90, 78.109, 145.770



Protanomaly
88, 54.884, 123.044



Deuteranomaly
88, 36.592, 126.910

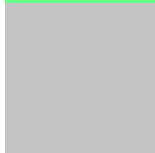


Tritanomaly
89, 38.687, 172.182

Monochromacy



Original Color
90, 78.109, 145.770



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 30.052, 149.934

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 78.109, 145.770 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(102, 255, 138)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 138)  
}
```

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(102, 255, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 78.109, 145.770 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(102, 255, 138) }
```

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

```
.border{ border-color:rgb(102, 255, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 138);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 78.109, 145.770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 138) }
```

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

```
.background{ background-color: rgb(102,  
255, 138) }
```

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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