

Converting Colors

CIELCh(90, 75.970, 147.026)

Have a look what the booklet for
CIELCh(90, 75.970, 147.026)
contains.

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Color

CIELCh(90, 75.807, 147.124)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 66FF90 |
| RGB | 102, 255, 144 |
| RGB Percent | 40%, 100%, 56% |
| CMY | 0.6003, 0.0003, 0.4356 |
| CMYK | 0.60, 0.00, 0.44, 0.00 |
| HSL | 136°, 100%, 70% |
| HSV | 136°, 60%, 100% |
| XYZ | 46.2348, 76.3034, 38.6493 |
| YIQ | 196.5990, -55.5570, -66.9570 |

Conversions

Conversions Part 2

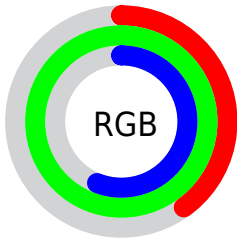
| Format | Color |
|-------------------------------------|--|
| RYB | 102, 222, 255 |
| Decimal | 6750096 |
| CIELab | 90.00, -63.67, 41.15 |
| CIElCh | 90, 75.807, 147.124 |
| Yxy | 76.3034, 0.2868, 0.4734 |
| Android (android.graphics.Color) | 4284940176 (0xFF66FF90) |
| YUV | 196.5990, -25.9313, -82.9633 |
| Hunter-Lab | 87.3518, -58.3866, 34.9131 |

Details

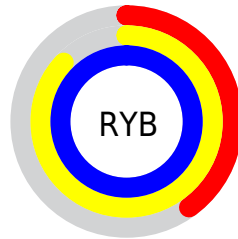
The CIELCh color **90, 75.807, 147.124** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **66, 75.325, 338.016**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 42.607, 154.436**, and **70, 75.658, 147.218** is the 20% darker color. If you saturate the color by 10%, you get **89, 86.158, 145.520**, and if you desaturate by 10%, it is **91, 64.386, 148.544**.

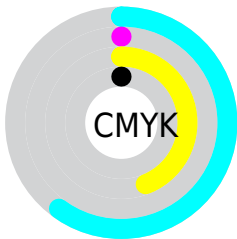
Distribution



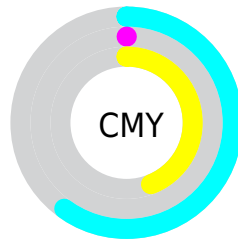
- Red (40%)
- Green (100%)
- Blue (56%)



- Red (40%)
- Yellow (87%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 75.807, 147.124 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, 75.807, 147.124 by changing the saturation by 10% instead.


 90, 75.807,
147.124


 90, 75.807,
147.124


 100, 75.807,
147.124


 80, 75.807,
147.124

 70, 75.807,
147.124

 60, 75.807,
147.124


 50, 75.807,
147.124

 40, 75.807,
147.124


 30, 75.807,
147.124


 20, 75.807,


147.124


 10, 75.807,
147.124


 0, 75.807, 147.124


 90, 75.807,
147.124


 90, 75.807,
147.124


 89, 86.158,
145.520


 91, 64.386,
148.544


 89, 95.208,
143.750

 92, 52.152,
149.784

 88, 102.790,
141.867

 94, 39.371,
150.859

 88, 108.863,
140.008

 96, 26.289,
151.791

■ 98, 13.116,
152.609

100, 0.019,
174.700

100, 0.054,
318.745

Harmonies

Complementary

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



90, 75.807, 147.124



66, 75.325, 338.016

Rectangle

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



90, 75.807, 147.124



90, 75.807, 197.124



90, 75.807, 327.124



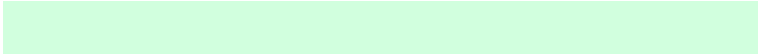
90, 75.807, 17.124

Sweetspot

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



90, 75.808, 147.124



96, 23.634, 151.964



95, 75.234, 117.139



51, 16.429, 151.713



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, 75.808, 147.124



89, 88.078, 145.181



91, 49.116, 174.154



52, 7.441, 152.649



68, 86.998, 140.353



23, 37.544, 143.148

Inverse Universe

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



66, 75.325, 338.016



62, 85.396, 339.297



64, 62.052, 10.334



50, 7.475, 333.887



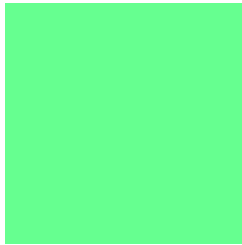
43, 75.562, 343.099



11, 35.564, 340.836

Previews

White Background



This preview shows how the CIE LCh color 90, 75.807, 147.124 looks on a white background.

Color Contrast Check

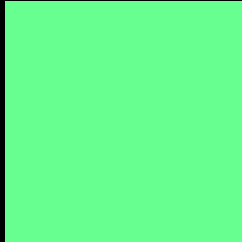
Large Text (above 18pt) WCAG AA × Fail

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, 75.807, 147.124 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, 75.807, 147.124

Background



This preview shows how black text looks on a background with the CIELCh color 90, 75.807, 147.124.

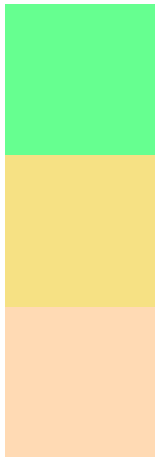


This preview shows how white text looks on a background with the CIELCh color 90, 75.807, 147.124.

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, 75.807, 147.124

Protanopia
89, 48.137, 95.865

Deuteranopia
89, 24.633, 72.417



Tritanopia
90, 26.644, 216.232

Trichromacy



Original Color
90, 75.807, 147.124



Protanomaly
89, 53.158, 124.122



Deuteranomaly
88, 35.164, 127.779

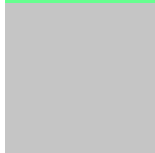


Tritanomaly
90, 38.628, 173.013

Monochromacy



Original Color
90, 75.807, 147.124



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 29.458, 151.721

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 75.807, 147.124 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, 144)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 144)  
}
```

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, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 75.807, 147.124 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, 144) }
```

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

```
.border{ border-color:rgb(102, 255, 144) }
```

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, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 144);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 75.807, 147.124 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, 144) }
```

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

```
.background{ background-color: rgb(102,  
255, 144) }
```

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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