

Converting Colors

CIELCh(90, 72.618, 146.646)

Have a look what the booklet for
CIELCh(90, 72.618, 146.646)
contains.

CIELCh(90, 72.563, 146.744)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(90, 72.563, 146.744)

Conversions

Conversions Part 1

Format	Color
Hex	70FE93
RGB	112, 254, 147
RGB Percent	44%, 100%, 58%
CMY	0.5615, 0.0046, 0.4242
CMYK	0.56, 0.00, 0.42, 0.00
HSL	135°, 98%, 72%
HSV	135°, 56%, 100%
XYZ	47.2965, 76.3034, 39.7716
YIQ	199.3440, -50.2850, -63.3810

Conversions

Conversions Part 2

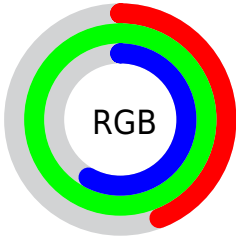
Format	Color
RYB	112, 226, 254
Decimal	7405203
CIELab	90.00, -60.68, 39.79
CIELCh	90, 72.563, 146.744
Yxy	76.3034, 0.2895, 0.4671
Android (android.graphics.Color)	4285595283 (0xFF70FE93)
YUV	199.3440, -25.8056, -76.6007
Hunter-Lab	87.3518, -56.2171, 34.1513

Details

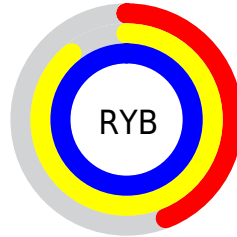
The CIELCh color **90, 72.563, 146.744** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **68, 72.248, 336.346**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 39.649, 153.758**, and **70, 72.351, 146.864** is the 20% darker color. If you saturate the color by 10%, you get **89, 83.564, 145.239**, and if you desaturate by 10%, it is **91, 60.562, 148.071**.

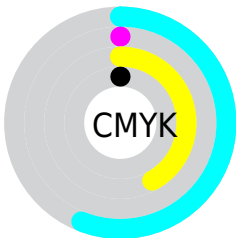
Distribution



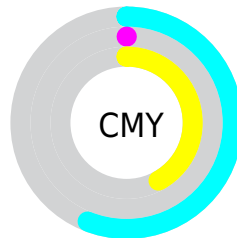
- Red (44%)
- Green (100%)
- Blue (58%)



- Red (44%)
- Yellow (89%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (56%)
- Magenta (0%)
- Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 72.563, 146.744 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, 72.563, 146.744 by changing the saturation by 10% instead.

 90, 72.563,
146.744

 90, 72.563,
146.744

 100, 72.563,
146.744

 80, 72.563,
146.744

 70, 72.563,
146.744

 60, 72.563,
146.744


 50, 72.563,
146.744

 40, 72.563,
146.744


 30, 72.563,
146.744

 20, 72.563,


146.744


 10, 72.563,
146.744


 0, 72.563, 146.744


 90, 72.563,
146.744


 90, 72.563,
146.744


 89, 83.564,
145.239


 91, 60.562,
148.071


 88, 93.295,
143.570

 93, 47.840,
149.226

 88, 101.533,
141.782

 94, 34.669,
150.226

 88, 108.122,
139.967

 96, 21.289,
151.093

■ 88, 110.356,
139.287

■ 98, 7.897, 151.867
100, 0.739,
324.049

Harmonies

Complementary

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



90, 72.563, 146.744



68, 72.248, 336.346

Rectangle

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



90, 72.563, 146.744



90, 72.563, 196.744



90, 72.563, 326.744



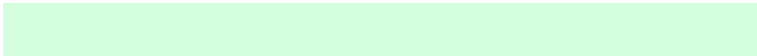
90, 72.563, 16.744

Sweetspot

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



90, 72.564, 146.744



96, 22.784, 151.007



95, 70.139, 115.824



51, 15.246, 150.840



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, 72.564, 146.744



89, 84.965, 145.068



91, 47.761, 172.106



52, 7.595, 151.597



68, 88.529, 139.607



23, 38.281, 142.288

Inverse Universe

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



68, 72.248, 336.346



64, 83.112, 337.364



66, 57.879, 6.673



50, 7.625, 332.805



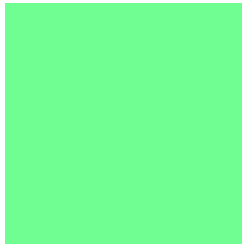
43, 77.030, 341.173



11, 36.200, 339.242

Previews

White Background



This preview shows how the CIE LCh color 90, 72.563, 146.744 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, 72.563, 146.744 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

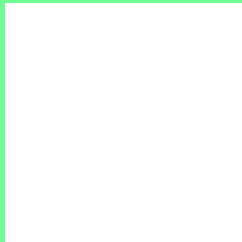
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 72.563, 146.744

Background



This preview shows how black text looks on a background with the CIELCh color 90, 72.563, 146.744.

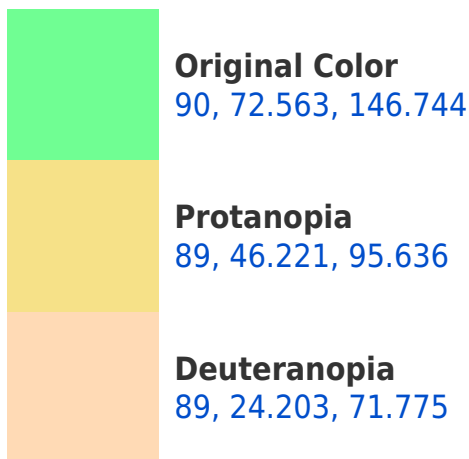


This preview shows how white text looks on a background with the CIELCh color 90, 72.563, 146.744.

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



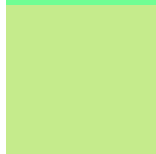


Tritanopia
90, 25.765, 218.195

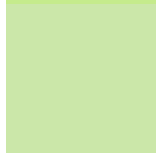
Trichromacy



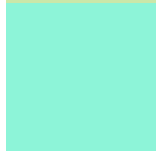
Original Color
90, 72.563, 146.744



Protanomaly
89, 50.400, 123.447



Deuteranomaly
88, 33.676, 126.068

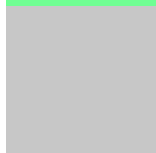


Tritanomaly
90, 36.670, 173.549

Monochromacy



Original Color
90, 72.563, 146.744



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 28.079, 150.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 72.563, 146.744 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, 254, 147)` looks like.

```
.text, #text, p{  
    color:rgb(112, 254, 147)  
}
```

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, 254, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 254, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 72.563, 146.744 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, 254, 147) }
```

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

```
.border{ border-color:rgb(112, 254, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 254, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 254, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 254, 147); box-shadow:4px 4px 4px 4px rgb(112, 254, 147) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 72.563, 146.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 254, 147) }
```

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

```
.background{ background-color: rgb(112,  
254, 147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor