

Converting Colors

CIELCh(90, 77.775, 149.895)

Have a look what the booklet for
CIELCh(90, 77.775, 149.895)
contains.

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Color

CIELCh(90, 77.164, 150.044)

Conversions

Conversions Part 1

Format	Color
Hex	53FF95
RGB	83, 255, 149
RGB Percent	33%, 100%, 58%
CMY	0.6762, 0.0000, 0.4152
CMYK	0.68, 0.00, 0.42, 0.00
HSL	143°, 100%, 66%
HSV	143°, 68%, 100%
XYZ	45.1190, 76.3034, 40.8337
YIQ	191.4880, -68.4860, -69.4300

Conversions

Conversions Part 2

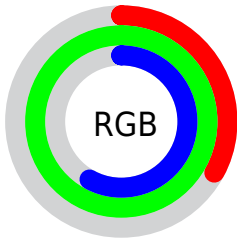
Format	Color
RYB	83, 207, 255
Decimal	5504917
CIELab	90.00, -66.86, 38.53
CIELCh	90, 77.164, 150.044
Yxy	76.3034, 0.2781, 0.4703
Android (android.graphics.Color)	4283694997 (0xFF53FF95)
YUV	191.4880, -20.9466, -95.1440
Hunter-Lab	87.3518, -60.6668, 33.4304

Details

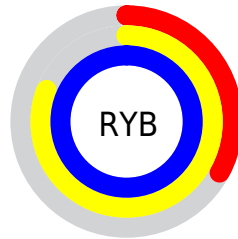
The CIELCh color **90, 77.164, 150.044** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **63, 76.765, 344.956**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 44.196, 160.242**, and **70, 74.070, 148.655** is the 20% darker color. If you saturate the color by 10%, you get **89, 85.138, 148.344**, and if you desaturate by 10%, it is **91, 66.872, 151.828**.

Distribution



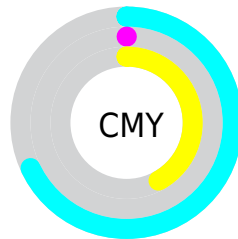
- Red (33%)
- Green (100%)
- Blue (58%)



- Red (33%)
- Yellow (81%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)



- Cyan (68%)
- Magenta (0%)
- Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 77.164, 150.044 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, 77.164, 150.044 by changing the saturation by 10% instead.

 90, 77.164,
150.044

 90, 77.164,
150.044

 100, 77.164,
150.044


 80, 77.164,
150.044

 70, 77.164,
150.044

 60, 77.164,
150.044


 50, 77.164,
150.044

 40, 77.164,
150.044


 30, 77.164,
150.044


 20, 77.164,

150.044


 10, 77.164,
150.044


 0, 77.164, 150.044


 90, 77.164,
150.044

 90, 77.164,
150.044


 89, 85.138,
148.344


 91, 66.872,
151.828


 89, 92.563,
146.308

 92, 56.297,
153.266

 88, 98.829,
144.143

 93, 45.026,
154.522

 88, 100.202,
143.643

 95, 33.281,
155.619

■ 96, 21.270,
156.583

■ 98, 9.173, 157.453

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, 77.164, 150.044



63, 76.765, 344.956

Rectangle

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



90, 77.164, 150.044



90, 77.164, 200.044



90, 77.164, 330.044



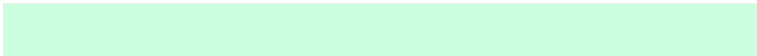
90, 77.164, 20.044

Sweetspot

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



90, 76.542, 150.190



96, 24.145, 156.364



93, 85.174, 121.921



51, 16.467, 156.097



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, 76.542, 150.190



89, 87.783, 147.675



91, 48.168, 183.831



52, 6.852, 157.292



68, 79.983, 144.048



23, 34.396, 147.153

Inverse Universe

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



63, 76.765, 344.956



59, 84.653, 347.411



60, 71.223, 21.741



50, 6.905, 338.661



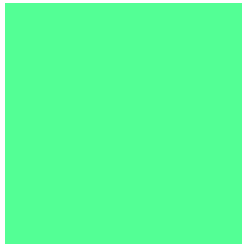
42, 70.814, 351.775



11, 33.380, 347.968

Previews

White Background



This preview shows how the CIE LCh color 90, 77.164, 150.044 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, 77.164, 150.044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

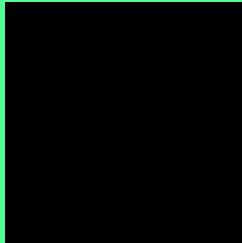
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

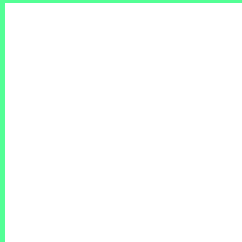
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 77.164, 150.044

Background



This preview shows how black text looks on a background with the CIELCh color 90, 77.164, 150.044.

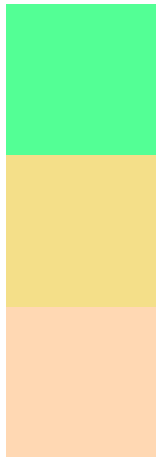


This preview shows how white text looks on a background with the CIELCh color 90, 77.164, 150.044.

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, 76.535, 150.125

Protanopia
89, 44.839, 95.400

Deuteranopia
89, 24.756, 70.298



Tritanopia
89, 28.784, 214.706

Trichromacy



Original Color
90, 76.535, 150.125



Protanomaly
88, 51.577, 128.307



Deuteranomaly
87, 35.145, 131.687

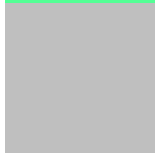


Tritanomaly
89, 41.260, 175.191

Monochromacy



Original Color
90, 76.535, 150.125



Achromatopsia
77, 0.009, 296.813



Achromatomaly
81, 30.243, 155.559

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 77.164, 150.044 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(83, 255, 149)` looks like.

```
.text, #text, p{  
    color:rgb(83, 255, 149)  
}
```

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(83, 255, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 255, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 77.164, 150.044 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(83, 255, 149) }
```

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

```
.border{ border-color:rgb(83, 255, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 255, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 255, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 255, 149);  
box-shadow:4px 4px 4px 4px rgb(83, 255,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 77.164, 150.044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 255, 149) }
```

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

```
.background{ background-color: rgb(83, 255,  
149) }
```

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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