

Converting Colors

CIELCh(90, 69.830, 153.429)

Have a look what the booklet for
CIELCh(90, 69.830, 153.429)
contains.

CIELCh(90, 69.921, 153.468)	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, 69.921, 153.468)

Conversions

Conversions Part 1

Format	Color
Hex	5AFFA4
RGB	90, 255, 164
RGB Percent	35%, 100%, 64%
CMY	0.6475, 0.0004, 0.3572
CMYK	0.65, 0.00, 0.36, 0.00
HSL	147°, 100%, 68%
HSV	147°, 65%, 100%
XYZ	46.6271, 76.3034, 47.3504
YIQ	195.2910, -69.1290, -63.2810

Conversions

Conversions Part 2

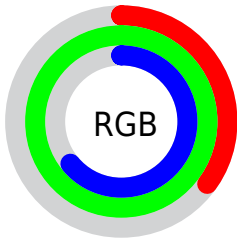
Format	Color
RYB	90, 204, 255
Decimal	5963684
CIELab	90.00, -62.56, 31.23
CIELCh	90, 69.921, 153.468
Yxy	76.3034, 0.2738, 0.4481
Android (android.graphics.Color)	4284153764 (0xFF5AFFA4)
YUV	195.2910, -15.4265, -92.3402
Hunter-Lab	87.3518, -57.5849, 29.0072

Details

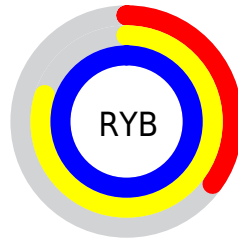
The CIELCh color **90, 69.921, 153.468** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **63, 71.975, 348.344**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 37.797, 168.486**, and **70, 68.635, 152.458** is the 20% darker color. If you saturate the color by 10%, you get **89, 78.269, 151.649**, and if you desaturate by 10%, it is **91, 60.589, 155.074**.

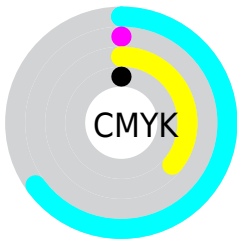
Distribution



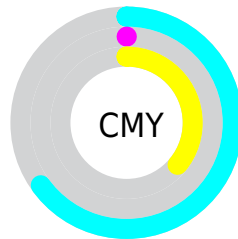
- Red (35%)
- Green (100%)
- Blue (64%)



- Red (35%)
- Yellow (80%)
- Blue (100%)



- Cyan (65%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)




- Cyan (65%)
- Magenta (0%)
- Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 69.921, 153.468 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, 69.921, 153.468 by changing the saturation by 10% instead.

 90, 69.921,
153.468

 90, 69.921,
153.468

 100, 69.921,
153.468

 80, 69.921,
153.468


 70, 69.921,
153.468

 60, 69.921,
153.468

 50, 69.921,
153.468

 40, 69.921,
153.468

 30, 69.921,
153.468

 20, 69.921,

153.468

■ 10, 69.921,
153.468

■ 0, 69.921, 153.468

■ 90, 69.921,
153.468

■ 90, 69.921,
153.468

■ 89, 78.269,
151.649

■ 91, 60.589,
155.074

■ 89, 85.539,
149.618

■ 92, 50.429,
156.484

■ 88, 91.737,
147.406

■ 93, 39.638,
157.721

■ 88, 94.661,
146.225

■ 95, 28.420,
158.810

■ 97, 16.965,
159.780

■ 99, 5.439, 160.693

100, 0.068,
319.856

Harmonies

Complementary

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



90, 69.921, 153.468



63, 71.975, 348.344

Rectangle

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



90, 69.921, 153.468



90, 69.921, 203.468



90, 69.921, 333.468



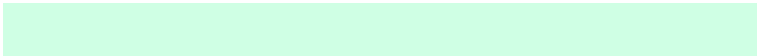
90, 69.921, 23.468

Sweetspot

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



90, 69.922, 153.468



96, 21.872, 159.379



93, 83.317, 123.896



51, 15.043, 159.100



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, 69.922, 153.468



89, 80.784, 151.009



92, 45.265, 189.321



52, 6.542, 160.254



68, 75.577, 146.648



23, 32.528, 149.844

Inverse Universe

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



63, 71.975, 348.344



59, 80.765, 351.126



61, 69.406, 24.429



50, 6.610, 341.703



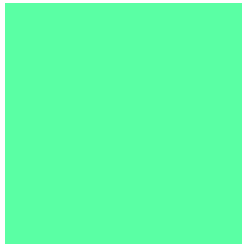
41, 69.077, 357.306



11, 32.446, 352.519

Previews

White Background



This preview shows how the CIE LCh color 90, 69.921, 153.468 looks on a white background.

Color Contrast Check

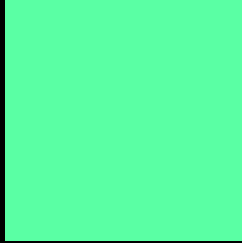
Large Text (above 18pt) WCAG AA × Fail

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, 69.921, 153.468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

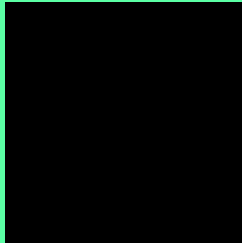
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 69.921, 153.468

Background



This preview shows how black text looks on a background with the CIELCh color 90, 69.921, 153.468.

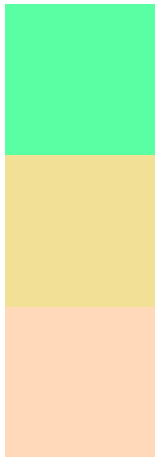


This preview shows how white text looks on a background with the CIELCh color 90, 69.921, 153.468.

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, 69.921, 153.468

Protanopia
89, 38.288, 95.481

Deuteranopia
89, 21.993, 66.593



Tritanopia
90, 27.368, 215.690

Trichromacy



Original Color
90, 69.921, 153.468



Protanomaly
88, 44.444, 131.175



Deuteranomaly
88, 30.606, 134.024



Tritanomaly
90, 38.407, 178.678

Monochromacy



Original Color
90, 69.921, 153.468



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 27.808, 158.601

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 69.921, 153.468 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(90, 255, 164)` looks like.

```
.text, #text, p{  
    color:rgb(90, 255, 164)  
}
```

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(90, 255, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 255, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 69.921, 153.468 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(90, 255, 164) }
```

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

```
.border{ border-color:rgb(90, 255, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 255, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 255, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 255, 164);  
box-shadow:4px 4px 4px 4px rgb(90, 255,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 69.921, 153.468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 255, 164) }
```

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

```
.background{ background-color: rgb(90, 255,  
164) }
```

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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