

Converting Colors

CIELCh(90, 68.656, 114.383)

Have a look what the booklet for
CIELCh(90, 68.656, 114.383)
contains.

CIELCh(90, 68.772, 114.301)	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, 68.772, 114.301)

Conversions

Conversions Part 1

Format	Color
Hex	D3EF64
RGB	211, 239, 100
RGB Percent	83%, 94%, 39%
CMY	0.1736, 0.0638, 0.6088
CMYK	0.12, 0.00, 0.58, 0.06
HSL	72°, 81%, 66%
HSV	72°, 58%, 94%
XYZ	59.8645, 76.3034, 23.5658
YIQ	214.7820, 27.9310, -49.1650

Conversions

Conversions Part 2

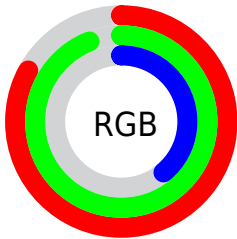
Format	Color
R_{YB}	100, 239, 128
Decimal	13889380
CIE _{Lab}	90.00, -28.30, 62.68
CIE _{LCh}	90, 68.772, 114.301
Yxy	76.3034, 0.3748, 0.4777
Android (android.graphics.Color)	4292079460 (0xFFD3EF64)
YUV	214.7820, -56.5875, -3.3168
Hunter-Lab	87.3518, -30.5349, 45.1509

Details

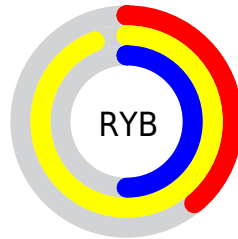
The CIELCh color **90, 68.772, 114.301** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **52, 80.192, 303.869**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 49.747, 106.373**, and **70, 68.796, 114.140** is the 20% darker color. If you saturate the color by 10%, you get **89, 78.252, 113.960**, and if you desaturate by 10%, it is **91, 58.092, 114.819**.

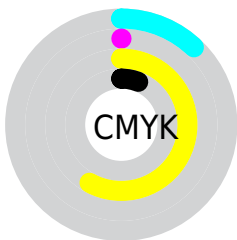
Distribution



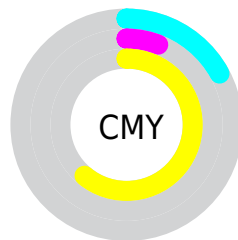
- Red (83%)
- Green (94%)
- Blue (39%)



- Red (39%)
- Yellow (94%)
- Blue (50%)



- Cyan (12%)
- Magenta (0%)
- Yellow (58%)
- Black (6%)





- Cyan (17%)
- Magenta (6%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 68.772, 114.301 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, 68.772, 114.301 by changing the saturation by 10% instead.


 90, 68.772,
114.301


 90, 68.772,
114.301


 100, 68.772,
114.301


 80, 68.772,
114.301

 70, 68.772,
114.301

 60, 68.772,
114.301


 50, 68.772,
114.301

 40, 68.772,
114.301


 30, 68.772,
114.301


 20, 68.772,

114.301


 10, 68.772,
114.301


 0, 68.772, 114.301


 90, 68.772,
114.301


 90, 68.772,
114.301


 89, 78.252,
113.960

 91, 58.092,
114.819


 89, 85.974,
113.879

 91, 46.640,
115.438

 89, 91.387,
114.155

 92, 34.716,
116.112

 88, 94.323,
114.830

 93, 22.517,
116.806

88, 94.724,
114.969

94, 10.175,
117.499

95, 2.222, 298.165

95, 8.614, 303.956

96, 9.154, 314.201

96, 9.951, 323.142

Harmonies

Complementary

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



90, 68.772, 114.301



52, 80.192, 303.869

Rectangle

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



90, 68.772, 114.301



90, 68.772, 164.301



90, 68.772, 294.301



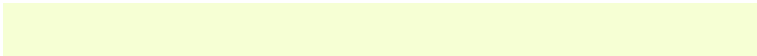
90, 68.772, 344.301

Sweetspot

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



90, 68.773, 114.303



98, 22.173, 116.887



65, 52.781, 40.401



52, 14.822, 116.746



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, 68.773, 114.303



95, 84.072, 113.919



86, 77.939, 132.757



50, 7.058, 117.412



70, 77.734, 114.785



22, 32.511, 114.148

Inverse Universe

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



52, 80.192, 303.869



47, 102.410, 305.368



59, 81.146, 318.071



46, 7.207, 298.731



23, 102.958, 307.274



3, 38.396, 303.425

Previews

White Background



This preview shows how the CIELCh color 90, 68.772, 114.301 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, 68.772, 114.301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

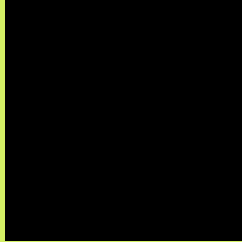
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 68.772, 114.301

Background



This preview shows how black text looks on a background with the CIELCh color 90, 68.772, 114.301.



This preview shows how white text looks on a background with the CIELCh color 90, 68.772, 114.301.

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](#).

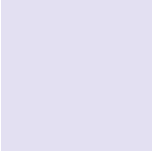
Dichromacy



Original Color
90, 68.772, 114.301

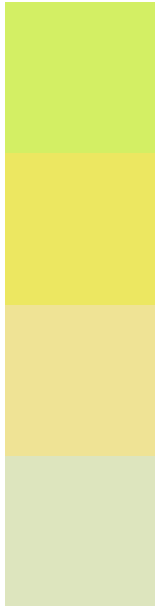
Protanopia
90, 65.170, 95.469

Deuteranopia
90, 26.331, 76.754



Tritanopia
90, 9.443, 297.265

Trichromacy



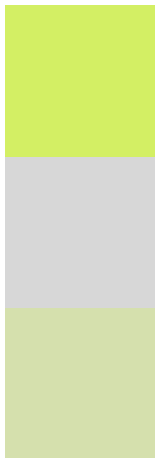
Original Color
90, 68.772, 114.301

Protanomaly
90, 65.812, 102.938

Deuteranomaly
90, 40.179, 99.947

Tritanomaly
89, 20.367, 117.037

Monochromacy



Original Color
90, 68.772, 114.301

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 26.724, 117.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 68.772, 114.301 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(211, 239, 100)` looks like.

```
.text, #text, p{  
    color:rgb(211, 239, 100)  
}
```

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(211, 239, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 239, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 68.772, 114.301 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(211, 239, 100) }
```

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

```
.border{ border-color:rgb(211, 239, 100) }
```

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

Here you see how a box with a 4 pixel rgb(211, 239, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 239, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 239, 100);  
box-shadow:4px 4px 4px 4px rgb(211, 239,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 68.772, 114.301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 239, 100) }
```

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

```
.background{ background-color: rgb(211,  
239, 100) }
```

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