

Converting Colors

CIELCh(85, 70.046, 153.350)

Have a look what the booklet for
CIELCh(85, 70.046, 153.350)
contains.

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Color

CIELCh(85, 69.941, 153.321)

Conversions

Conversions Part 1

Format	Color
Hex	48F096
RGB	72, 240, 150
RGB Percent	28%, 94%, 59%
CMY	0.7168, 0.0582, 0.4112
CMYK	0.70, 0.00, 0.37, 0.06
HSL	148°, 85%, 61%
HSV	148°, 70%, 94%
XYZ	39.4122, 66.0070, 39.5787
YIQ	179.5080, -71.2380, -63.6060

Conversions

Conversions Part 2

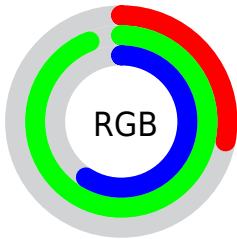
Format	Color
R_{YB}	72, 187, 240
Decimal	4780182
CIE _{Lab}	85.00, -62.49, 31.40
CIE _{LCh}	85, 69.941, 153.321
Yxy	66.0070, 0.2718, 0.4552
Android (android.graphics.Color)	4282970262 (0xFF48F096)
YUV	179.5080, -14.5474, -94.2845
Hunter-Lab	81.2447, -55.5870, 27.9879

Details

The CIELCh color **85, 69.941, 153.321** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **58, 71.886, 350.327**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 46.066, 162.525**, and **66, 66.828, 151.018** is the 20% darker color. If you saturate the color by 10%, you get **84, 77.257, 151.396**, and if you desaturate by 10%, it is **86, 61.647, 155.031**.

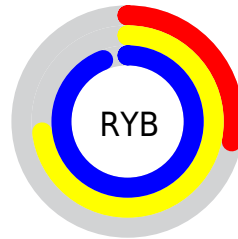
Distribution



Red (28%)

Green (94%)

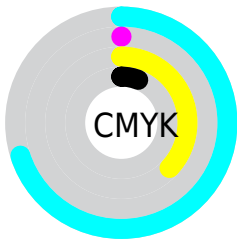
Blue (59%)



Red (28%)

Yellow (73%)

Blue (94%)

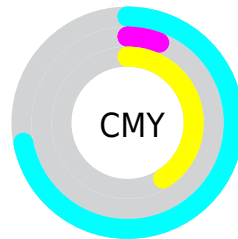


Cyan (70%)

Magenta (0%)

Yellow (37%)

Black (6%)



Cyan (72%)


Magenta (6%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 69.941, 153.321 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 85, 69.941, 153.321 by changing the saturation by 10% instead.


 85, 69.941,
153.321


 85, 69.941,
153.321


 100, 69.941,
153.321


 75, 69.941,
153.321

 65, 69.941,
153.321

 55, 69.941,
153.321

 45, 69.941,
153.321

 35, 69.941,
153.321

 25, 69.941,
153.321

 15, 69.941,

153.321

■ 5, 69.941, 153.321

■ 0, 69.941, 153.321

■ 85, 69.941,
153.321

■ 85, 69.941,
153.321

■ 84, 77.257,
151.396

■ 86, 61.647,
155.031

■ 84, 83.554,
149.267

■ 87, 52.489,
156.537

■ 84, 88.958,
147.017


■ 88, 42.636,
157.860

■ 84, 88.994,
147.002

■ 89, 32.277,
159.024

■ 91, 21.596,

160.057

 93, 10.763,
160.991

 95, 0.083, 336.322

 96, 8.477, 328.389

 96, 9.248, 324.730

Harmonies

Complementary

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



85, 69.941, 153.321



58, 71.886, 350.327

Rectangle

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



85, 69.941, 153.321



85, 69.941, 203.321



85, 69.941, 333.321



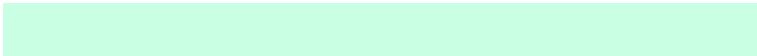
85, 69.941, 23.321

Sweetspot

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



85, 69.942, 153.321



96, 23.881, 159.945



87, 84.847, 124.504



51, 16.147, 159.668



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85, 69.942, 153.321



89, 83.833, 150.495



87, 44.576, 190.825



49, 6.148, 161.032



66, 72.122, 147.420



20, 29.155, 151.173

Inverse Universe

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



58, 71.886, 350.327



57, 82.728, 353.883



56, 72.202, 27.287



47, 6.216, 342.490



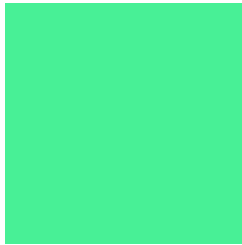
40, 66.734, 358.605



8, 29.816, 352.844

Previews

White Background



This preview shows how the CIE LCh color 85, 69.941, 153.321 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 85, 69.941, 153.321 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 85, 69.941, 153.321

Background



This preview shows how black text looks on a background with the CIELCh color 85, 69.941, 153.321.

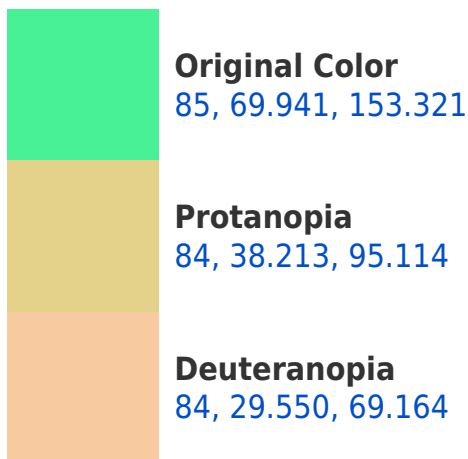


This preview shows how white text looks on a background with the CIELCh color 85, 69.941, 153.321.

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
85, 34.283, 214.501

Trichromacy



Original Color
85, 69.941, 153.321



Protanomaly
83, 45.082, 131.485



Deuteranomaly
83, 33.673, 128.956

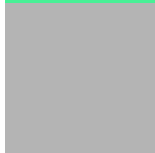


Tritanomaly
84, 41.719, 181.891

Monochromacy



Original Color
85, 69.941, 153.321



Achromatopsia
73, 0.009, 296.813



Achromatomaly
77, 28.409, 158.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 69.941, 153.321 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(72, 240, 150)` looks like.

```
.text, #text, p{  
    color:rgb(72, 240, 150)  
}
```

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(72, 240, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 240, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 69.941, 153.321 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(72, 240, 150) }
```

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

```
.border{ border-color:rgb(72, 240, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 240, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 240, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 240, 150);  
box-shadow:4px 4px 4px 4px rgb(72, 240,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 69.941, 153.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 240, 150) }
```

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

```
.background{ background-color: rgb(72, 240,  
150) }
```

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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