

Converting Colors

CIELCh(85, 69.709, 153.357)

Have a look what the booklet for
CIELCh(85, 69.709, 153.357)
contains.

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Color

CIELCh(85, 69.818, 153.243)

Conversions

Conversions Part 1

Format	Color
Hex	49F096
RGB	73, 240, 150
RGB Percent	29%, 94%, 59%
CMY	0.7132, 0.0584, 0.4114
CMYK	0.70, 0.00, 0.37, 0.06
HSL	148°, 85%, 61%
HSV	148°, 70%, 94%
XYZ	39.4606, 66.0070, 39.5540
YIQ	179.8070, -70.6420, -63.3940

Conversions

Conversions Part 2

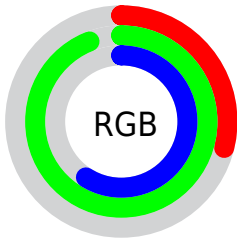
Format	Color
RYB	73, 187, 240
Decimal	4845718
CIELab	85.00, -62.34, 31.43
CIELCh	85, 69.818, 153.243
Yxy	66.0070, 0.2721, 0.4552
Android (android.graphics.Color)	4283035798 (0xFF49F096)
YUV	179.8070, -14.6949, -93.6697
Hunter-Lab	81.2447, -55.4806, 28.0059

Details

The CIELCh color **85, 69.818, 153.243** 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, 71.712, 350.035**, 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, 77.200, 151.327**, and if you desaturate by 10%, it is **86, 61.459, 154.944**.

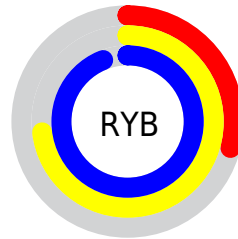
Distribution



Red (29%)

Green (94%)

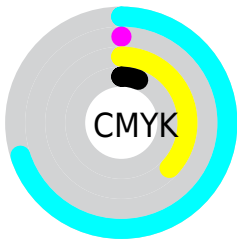
Blue (59%)



Red (29%)

Yellow (73%)

Blue (94%)

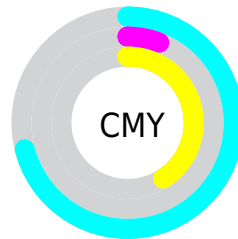


Cyan (70%)

Magenta (0%)

Yellow (37%)

Black (6%)



Cyan (71%)


Magenta (6%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 69.818, 153.243 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, 69.818, 153.243 by changing the saturation by 10% instead.


 85, 69.818,
153.243


 85, 69.818,
153.243


 100, 69.818,
153.243


 75, 69.818,
153.243


 65, 69.818,
153.243

 55, 69.818,
153.243

 45, 69.818,
153.243

 35, 69.818,
153.243

 25, 69.818,
153.243

 15, 69.818,

153.243

■ 5, 69.818, 153.243

■ 0, 69.818, 153.243

■ 85, 69.818,
153.243

■ 85, 69.818,
153.243

■ 84, 77.200,
151.327

■ 86, 61.459,
154.944

■ 84, 83.561,
149.207

■ 87, 52.242,
156.441

■ 84, 89.008,
146.959


■ 88, 42.337,
157.756

■ 84, 89.249,
146.859

■ 89, 31.934,
158.913

■ 91, 21.219,

159.940

 93, 10.358,
160.868

 95, 0.508, 340.753

 96, 8.724, 327.293

 96, 9.284, 324.731

Harmonies

Complementary

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



85, 69.818, 153.243



58, 71.712, 350.035

Rectangle

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



85, 69.818, 153.243



85, 69.818, 203.243



85, 69.818, 333.243



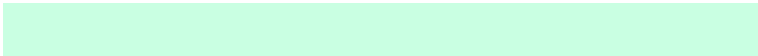
85, 69.818, 23.243

Sweetspot

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



85, 69.819, 153.243



96, 23.938, 159.790



87, 84.464, 124.502



51, 16.186, 159.513



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, 69.819, 153.243



89, 83.407, 150.559



87, 44.438, 190.849



49, 6.162, 160.874



66, 72.342, 147.276



20, 29.240, 151.026

Inverse Universe

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



58, 71.712, 350.035



58, 82.479, 353.353



56, 71.768, 27.148



47, 6.229, 342.328



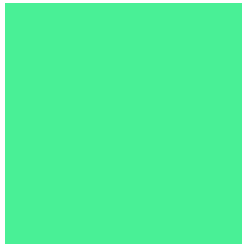
40, 66.792, 358.317



8, 29.852, 352.613

Previews

White Background



This preview shows how the CIE LCh color 85, 69.818, 153.243 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, 69.818, 153.243 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, 69.818, 153.243

Background



This preview shows how black text looks on a background with the CIELCh color 85, 69.818, 153.243.

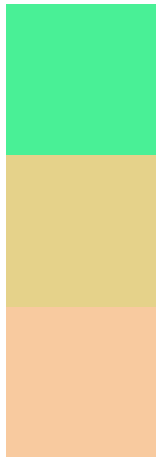


This preview shows how white text looks on a background with the CIELCh color 85, 69.818, 153.243.

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

85, 69.818, 153.243

Protanopia

84, 38.213, 95.114

Deuteranopia

84, 29.550, 69.164



Tritanopia
85, 34.283, 214.501

Trichromacy



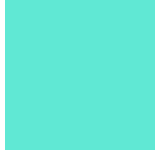
Original Color
85, 69.818, 153.243



Protanomaly
83, 45.082, 131.485



Deuteranomaly
83, 33.673, 128.956



Tritanomaly
84, 41.719, 181.891

Monochromacy



Original Color
85, 69.818, 153.243



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, 69.818, 153.243 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(73, 240, 150)` looks like.

```
.text, #text, p{  
    color:rgb(73, 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(73, 240, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 240, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 69.818, 153.243 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(73, 240, 150) }
```

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

```
.border{ border-color:rgb(73, 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(73, 240, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 240, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 240, 150);  
box-shadow:4px 4px 4px 4px rgb(73, 240,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 69.818, 153.243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 240, 150) }
```

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

```
.background{ background-color: rgb(73, 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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