

Converting Colors

CIELCh(100, 75.835, 116.325)

Have a look what the booklet for
CIELCh(100, 75.835, 116.325)
contains.

CIELCh(96, 68.559, 112.753)	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(96, 68.559, 112.753)

Conversions

Conversions Part 1

Format	Color
Hex	E8FF73
RGB	232, 255, 115
RGB Percent	91%, 100%, 45%
CMY	0.0897, 0.0000, 0.5486
CMYK	0.09, 0.00, 0.55, 0.00
HSL	70°, 100%, 73%
HSV	70°, 55%, 100%
XYZ	72.2132, 90.0078, 29.8190
YIQ	232.1630, 31.2320, -48.4160

Conversions

Conversions Part 2

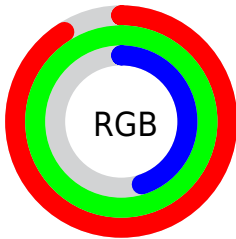
Format	Color
RYB	115, 255, 138
Decimal	15269747
CIELab	96.00, -26.52, 63.22
CIELCh	96, 68.559, 112.753
Yxy	90.0078, 0.3760, 0.4687
Android (android.graphics.Color)	4293459827 (0xFFE8FF73)
YUV	232.1630, -57.7614, -0.1430
Hunter-Lab	94.8724, -30.1596, 47.7755

Details

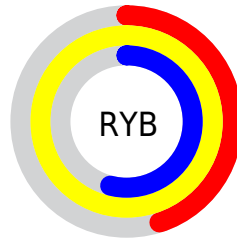
The CIELCh color **96, 68.559, 112.753** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **57, 79.423, 302.492**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 42.047, 106.967**, and **76, 68.573, 112.558** is the 20% darker color. If you saturate the color by 10%, you get **95, 78.874, 112.258**, and if you desaturate by 10%, it is **97, 57.014, 113.331**.

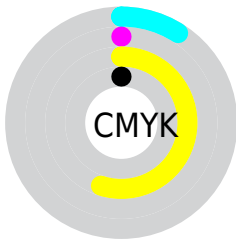
Distribution



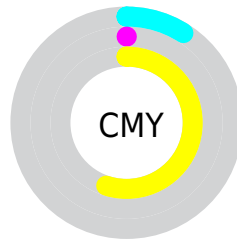
- Red (91%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (54%)



- Cyan (9%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 68.559, 112.753 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 96, 68.559, 112.753 by changing the saturation by 10% instead.


 96, 68.559,
112.753


 96, 68.559,
112.753


 100, 68.559,
112.753


 86, 68.559,
112.753

 76, 68.559,
112.753

 66, 68.559,
112.753

 56, 68.559,
112.753

 46, 68.559,
112.753

 36, 68.559,
112.753

 26, 68.559,

112.753

■ 16, 68.559,
112.753

■ 6, 68.559, 112.753

■ 96, 68.559,
112.753

■ 96, 68.559,
112.753

■ 95, 78.874,
112.258

■ 97, 57.014,
113.331

■ 95, 87.562,
112.013

■ 97, 44.814,
114.022

■ 95, 93.954,
112.076

■ 98, 32.186,
114.753

■ 94, 97.648,
112.513

■ 99, 19.315,
115.498

■ 94, 98.724,
112.855

■ 100, 6.321,
116.234

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.



96, 68.559, 112.753



57, 79.423, 302.492

Rectangle

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



96, 68.559, 112.753



96, 68.559, 162.753



96, 68.559, 292.753



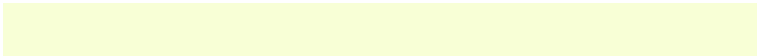
96, 68.559, 342.753

Sweetspot

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



96, 68.505, 112.723



99, 20.792, 115.413



70, 53.478, 36.235



52, 14.028, 115.260



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



96, 68.505, 112.723



95, 79.962, 112.218



92, 76.787, 131.462



53, 7.398, 115.894



73, 79.470, 112.693



25, 35.959, 111.854

Inverse Universe

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



57, 79.423, 302.492



49, 96.681, 304.084



64, 80.678, 316.441



49, 7.558, 297.320



24, 106.628, 306.964



4, 44.487, 304.864

Previews

White Background



This preview shows how the CIE LCh color 96, 68.559, 112.753 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 96, 68.559, 112.753 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 96, 68.559, 112.753

Background



This preview shows how black text looks on a background with the CIELCh color 96, 68.559, 112.753.



This preview shows how white text looks on a background with the CIELCh color 96, 68.559, 112.753.

Color Blindness Simulation

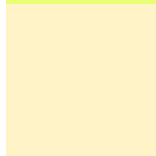
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



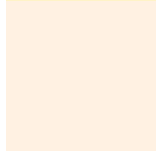
Original Color

96, 68.559, 112.753



Protanopia

96, 22.869, 96.931



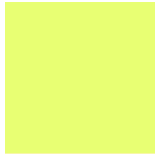
Deuteranopia

96, 9.197, 75.797

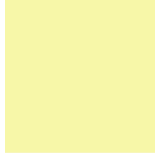


Tritanopia
96, 7.510, 306.784

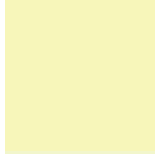
Trichromacy



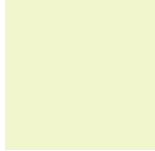
Original Color
96, 68.559, 112.753



Protanomaly
96, 39.817, 107.064



Deuteranomaly
96, 30.420, 107.078

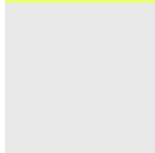


Tritanomaly
96, 21.429, 112.509

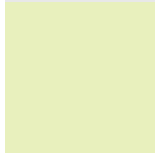
Monochromacy



Original Color
96, 68.559, 112.753



Achromatopsia
92, 0.011, 296.813



Achromatomaly
93, 26.224, 114.747

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 68.559, 112.753 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(232, 255, 115)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 115)  
}
```

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(232, 255, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 68.559, 112.753 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(232, 255, 115) }
```

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

```
.border{ border-color:rgb(232, 255, 115) }
```

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

Here you see how a box with a 4 pixel rgb(232, 255, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 115);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 68.559, 112.753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 115) }
```

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

```
.background{ background-color: rgb(232,  
255, 115) }
```

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