

Converting Colors

CIELCh(96, 51.581, 116.470)

Have a look what the booklet for
CIELCh(96, 51.581, 116.470)
contains.

CIELCh(96, 51.589, 116.335)	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, 51.589, 116.335)

Conversions

Conversions Part 1

Format	Color
Hex	E7FE98
RGB	231, 254, 152
RGB Percent	91%, 100%, 60%
CMY	0.0947, 0.0045, 0.4045
CMYK	0.09, 0.00, 0.40, 0.00
HSL	74°, 98%, 80%
HSV	74°, 40%, 100%
XYZ	73.9506, 90.0078, 43.1178
YIQ	235.4950, 19.0340, -36.5980

Conversions

Conversions Part 2

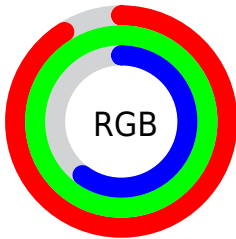
Format	Color
RYB	152, 254, 175
Decimal	15203992
CIELab	96.00, -22.89, 46.23
CIElCh	96, 51.589, 116.335
Yxy	90.0078, 0.3571, 0.4347
Android (android.graphics.Color)	4293394072 (0xFFE7FE98)
YUV	235.4950, -41.1630, -3.9421
Hunter-Lab	94.8724, -26.8907, 39.4645

Details

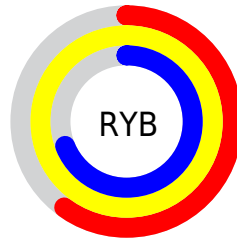
The CIELCh color **96, 51.589, 116.335** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **68, 56.659, 302.417**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 23.732, 108.378**, and **76, 51.447, 116.222** is the 20% darker color. If you saturate the color by 10%, you get **95, 63.539, 115.761**, and if you desaturate by 10%, it is **97, 39.093, 116.978**.

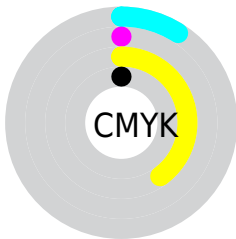
Distribution



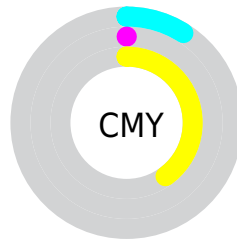
- Red (91%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (69%)



- Cyan (9%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 51.589, 116.335 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, 51.589, 116.335 by changing the saturation by 10% instead.


 96, 51.589,
116.335


 96, 51.589,
116.335


 100, 51.589,
116.335


 86, 51.589,
116.335

 76, 51.589,
116.335

 66, 51.589,
116.335

 56, 51.589,
116.335

 46, 51.589,
116.335

 36, 51.589,
116.335

 26, 51.589,

116.335

■ 16, 51.589,
116.335

■ 6, 51.589, 116.335

■ 96, 51.589,
116.335

■ 96, 51.589,
116.335

■ 95, 63.539,
115.761

■ 97, 39.093,
116.978

■ 95, 74.596,
115.304

■ 98, 26.273,
117.645

■ 94, 84.276,
115.046

■ 99, 13.282,
118.314

■ 94, 91.977,
115.084

■ 100, 0.222,
119.078

■ 93, 97.156,
115.514

100, 0.724,
324.040

■ 93, 99.856,
116.324

Harmonies

Complementary

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



96, 51.589, 116.335



68, 56.659, 302.417

Rectangle

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



96, 51.589, 116.335



96, 51.589, 166.335



96, 51.589, 296.335



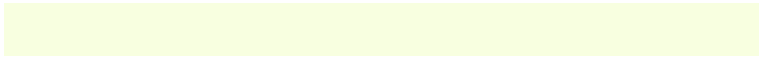
96, 51.589, 346.335

Sweetspot

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



96, 51.591, 116.337



99, 15.713, 118.193



78, 35.325, 41.031



53, 10.421, 118.105



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

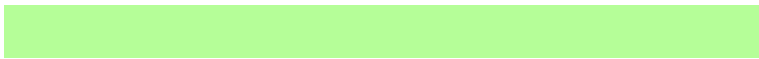
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 51.591, 116.337



96, 61.221, 115.878



93, 58.181, 134.202



53, 7.447, 118.359



72, 80.624, 116.118



25, 36.358, 114.997

Inverse Universe

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



68, 56.659, 302.417



63, 68.819, 303.293



73, 59.821, 317.986



49, 7.601, 299.628



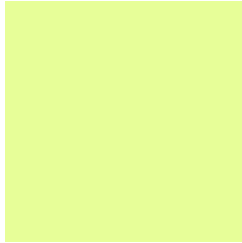
25, 105.831, 307.471



4, 44.609, 306.062

Previews

White Background



This preview shows how the CIELCh color 96, 51.589, 116.335 looks on a white background.

Color Contrast Check

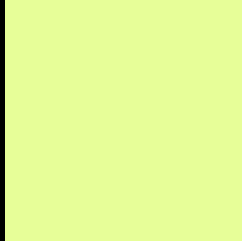
Large Text (above 18pt) WCAG AA × Fail

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, 51.589, 116.335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

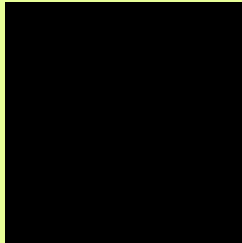
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 51.589, 116.335

Background



This preview shows how black text looks on a background with the CIELCh color 96, 51.589, 116.335.

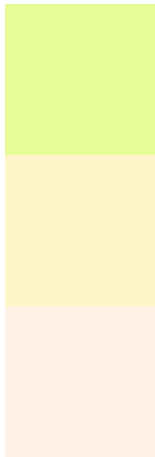


This preview shows how white text looks on a background with the CIELCh color 96, 51.589, 116.335.

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, 51.589, 116.335

Protanopia
96, 21.874, 96.514

Deuteranopia
96, 8.355, 72.056

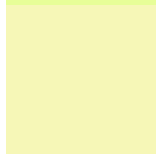


Tritanopia
96, 6.719, 296.596

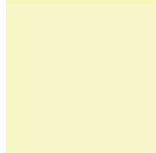
Trichromacy



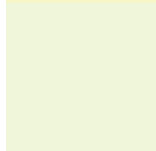
Original Color
96, 51.589, 116.335



Protanomaly
96, 32.398, 108.331



Deuteranomaly
96, 23.383, 108.356

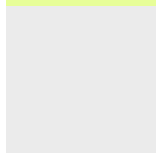


Tritanomaly
96, 15.024, 118.834

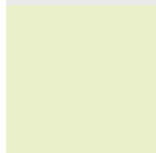
Monochromacy



Original Color
96, 51.589, 116.335



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 19.222, 118.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 51.589, 116.335 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(231, 254, 152)` looks like.

```
.text, #text, p{  
    color:rgb(231, 254, 152)  
}
```

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(231, 254, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 254, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 51.589, 116.335 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(231, 254, 152) }
```

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

```
.border{ border-color:rgb(231, 254, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 254, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 254, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 254, 152);  
box-shadow:4px 4px 4px 4px rgb(231, 254,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 51.589, 116.335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 254, 152) }
```

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

```
.background{ background-color: rgb(231,  
254, 152) }
```

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