

Converting Colors

CIECh(96, 46.504, 103.011)

Have a look what the booklet for
CIELCh(96, 46.504, 103.011)
contains.

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Color

CIELCh(96, 46.718, 103.104)

Conversions

Conversions Part 1

Format	Color
Hex	FEF79A
RGB	254, 247, 154
RGB Percent	100%, 97%, 60%
CMY	0.0035, 0.0310, 0.3957
CMYK	0.00, 0.03, 0.39, 0.00
HSL	56°, 98%, 80%
HSV	56°, 39%, 100%
XYZ	80.0414, 90.0078, 43.7670
YIQ	238.4910, 34.0250, -27.4390

Conversions

Conversions Part 2

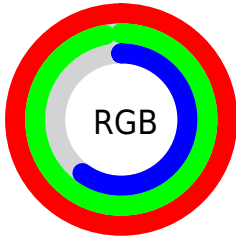
Format	Color
R_{YB}	162, 254, 154
Decimal	16709530
CIE _{Lab}	96.00, -10.59, 45.50
CIE _{LCh}	96, 46.718, 103.104
Yxy	90.0078, 0.3743, 0.4210
Android (android.graphics.Color)	4294899610 (0xFFFEF79A)
YUV	238.4910, -41.6541, 13.6014
Hunter-Lab	94.8724, -15.4310, 39.0588

Details

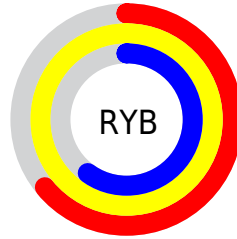
The CIELCh color **96, 46.718, 103.104** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **69, 51.025, 292.789**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 23.230, 108.417**, and **76, 46.884, 103.121** is the 20% darker color. If you saturate the color by 10%, you get **95, 57.928, 102.084**, and if you desaturate by 10%, it is **97, 35.077, 104.155**.

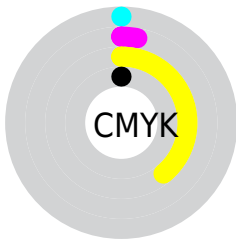
Distribution



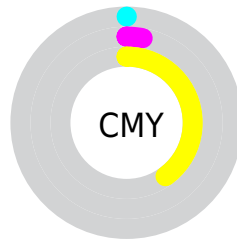
- Red (100%)
- Green (97%)
- Blue (60%)



- Red (64%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (3%)
- Yellow (39%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 46.718, 103.104 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, 46.718, 103.104 by changing the saturation by 10% instead.


 96, 46.718,
103.104


 96, 46.718,
103.104


 100, 46.718,
103.104


 86, 46.718,
103.104

 76, 46.718,
103.104

 66, 46.718,
103.104

 56, 46.718,
103.104

 46, 46.718,
103.104

 36, 46.718,
103.104

 26, 46.718,

103.104

■ 16, 46.718,
103.104

■ 6, 46.718, 103.104

■ 96, 46.718,
103.104

■ 96, 46.718,
103.104

■ 95, 57.928,
102.084

■ 97, 35.077,
104.155

■ 95, 68.378,
101.107

■ 98, 23.203,
105.207

■ 94, 77.583,
100.204

■ 99, 11.224,
106.247

■ 93, 84.897, 99.401

100, 0.411,
284.832

■ 93, 89.657, 98.713

■ 92, 91.719, 98.130 100, 0.312,
201.510

■ 92, 91.813, 98.094

Harmonies

Complementary

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



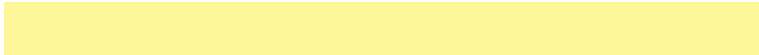
96, 46.718, 103.104



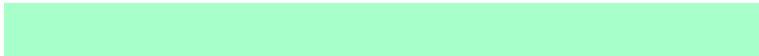
69, 51.025, 292.789

Rectangle

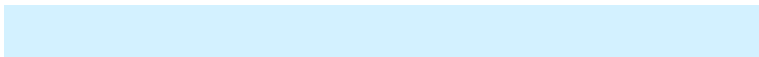
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 46.718, 103.104



96, 46.718, 153.104



96, 46.718, 283.104



96, 46.718, 333.104

Sweetspot

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



96, 46.719, 103.107



99, 14.437, 105.974



74, 40.024, 17.036



53, 9.575, 105.839



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

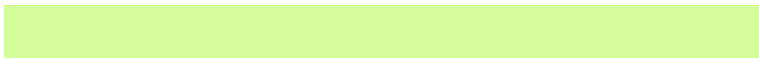
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 46.719, 103.107



96, 55.498, 102.321



95, 52.522, 124.129



53, 6.839, 106.232



71, 74.210, 98.180



24, 33.630, 98.962

Inverse Universe

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



69, 51.025, 292.789



63, 62.083, 294.326



71, 56.268, 308.388



49, 6.973, 288.264



24, 104.620, 305.465



4, 41.905, 300.543

Previews

White Background



This preview shows how the CIE LCh color 96, 46.718, 103.104 looks on a white background.

Color Contrast Check

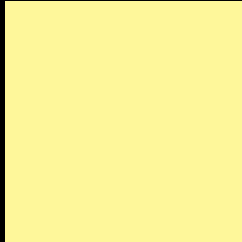
Large Text (above 18pt) WCAG AA × Fail

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, 46.718, 103.104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

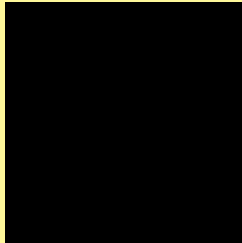
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 46.718, 103.104

Background



This preview shows how black text looks on a background with the CIELCh color 96, 46.718, 103.104.

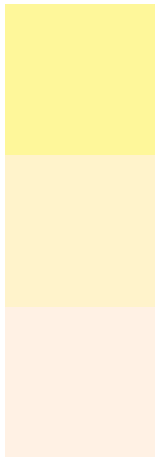


This preview shows how white text looks on a background with the CIELCh color 96, 46.718, 103.104.

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, 46.718, 103.104

Protanopia
96, 20.879, 96.049

Deuteranopia
96, 8.355, 72.056

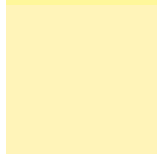


Tritanopia
96, 7.657, 337.891

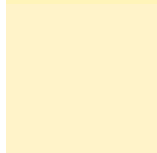
Trichromacy



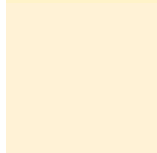
Original Color
96, 46.718, 103.104



Protanomaly
96, 30.258, 99.753



Deuteranomaly
96, 21.874, 96.514

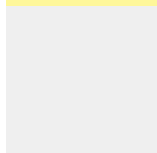


Tritanomaly
96, 15.080, 90.364

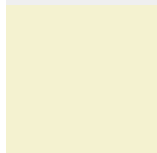
Monochromacy



Original Color
96, 46.718, 103.104



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 17.373, 106.356

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 46.718, 103.104 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(254, 247, 154)` looks like.

```
.text, #text, p{  
    color:rgb(254, 247, 154)  
}
```

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(254, 247, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 247, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 46.718, 103.104 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(254, 247, 154) }
```

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

```
.border{ border-color:rgb(254, 247, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 247, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 247, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 247, 154);  
box-shadow:4px 4px 4px 4px rgb(254, 247,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 46.718, 103.104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 247, 154) }
```

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

```
.background{ background-color: rgb(254,  
247, 154) }
```

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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