

Converting Colors

CIELCh(96, 49.949, 107.810)

Have a look what the booklet for
CIELCh(96, 49.949, 107.810)
contains.

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Color

CIElCh(96, 49.918, 108.127)

Conversions

Conversions Part 1

Format	Color
Hex	F6FA96
RGB	246, 250, 150
RGB Percent	96%, 98%, 59%
CMY	0.0361, 0.0203, 0.4125
CMYK	0.02, 0.00, 0.40, 0.02
HSL	62°, 91%, 78%
HSV	62°, 40%, 98%
XYZ	77.5559, 90.0078, 42.0646
YIQ	237.4040, 29.7160, -31.9480

Conversions

Conversions Part 2

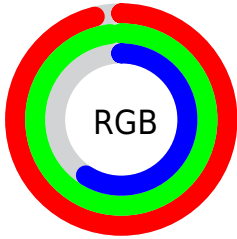
Format	Color
RYB	150, 250, 154
Decimal	16186006
CIELab	96.00, -15.53, 47.44
CIELCh	96, 49.918, 108.127
Yxy	90.0078, 0.3700, 0.4294
Android (android.graphics.Color)	4294376086 (0xFFFF6FA96)
YUV	237.4040, -43.0902, 7.5387
Hunter-Lab	94.8724, -20.1074, 40.1226

Details

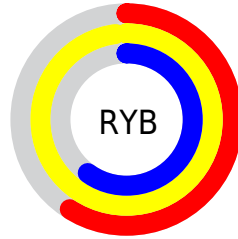
The CIELCh color **96, 49.918, 108.127** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **66, 55.417, 296.789**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 25.235, 108.263**, and **76, 50.147, 108.375** is the 20% darker color. If you saturate the color by 10%, you get **96, 61.476, 107.294**, and if you desaturate by 10%, it is **96, 37.805, 109.018**.

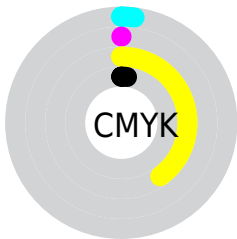
Distribution



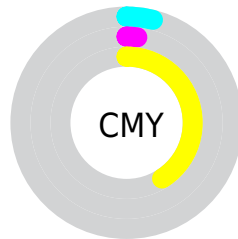
- Red (96%)
- Green (98%)
- Blue (59%)



- Red (59%)
- Yellow (98%)
- Blue (60%)



- Cyan (2%)
- Magenta (0%)
- Yellow (40%)
- Black (2%)





- Cyan (4%)
- Magenta (2%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 49.918, 108.127 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, 49.918, 108.127 by changing the saturation by 10% instead.

 96, 49.918,
108.127


 96, 49.918,
108.127

 100, 49.918,
108.127


 86, 49.918,
108.127

 76, 49.918,
108.127

 66, 49.918,
108.127

 56, 49.918,
108.127

 46, 49.918,
108.127

 36, 49.918,
108.127

 26, 49.918,

108.127

■ 16, 49.918,
108.127

■ 6, 49.918, 108.127

■ 96, 49.918,
108.127

■ 96, 49.918,
108.127

■ 96, 61.476,
107.294

■ 96, 37.805,
109.018

■ 95, 72.126,
106.548

■ 97, 25.361,
109.930

■ 95, 81.378,
105.939

■ 98, 12.734,
110.845

■ 95, 88.625,
105.519

■ 98, 0.022, 109.111

■ 98, 2.679, 297.852

■ 95, 93.324,
105.334

■ 98, 2.751, 305.060

■ 99, 2.863, 311.816

■ 95, 95.543,
105.376

■ 99, 3.012, 317.996

■ 99, 3.193, 323.546

Harmonies

Complementary

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



96, 49.918, 108.127



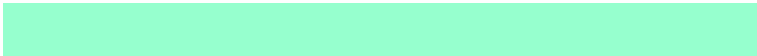
66, 55.417, 296.789

Rectangle

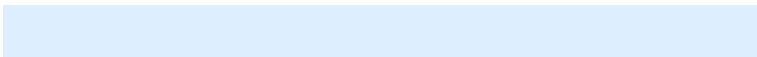
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 49.918, 108.127



96, 49.918, 158.127



96, 49.918, 288.127



96, 49.918, 338.127

Sweetspot

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



96, 49.920, 108.130



99, 15.492, 110.664



73, 39.687, 25.675



53, 10.272, 110.545



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

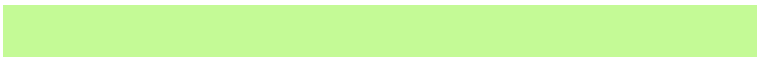
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 49.920, 108.130



97, 60.182, 107.453



93, 54.249, 128.349



52, 7.222, 110.893



74, 77.380, 105.334



25, 34.392, 105.295

Inverse Universe

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



66, 55.417, 296.789



61, 68.709, 298.206



70, 57.230, 312.161



48, 7.386, 292.681



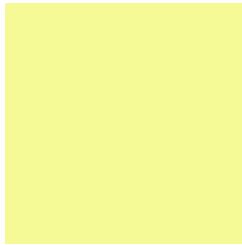
23, 106.507, 306.402



3, 42.143, 301.698

Previews

White Background



This preview shows how the CIE LCh color 96, 49.918, 108.127 looks on a white background.

Color Contrast Check

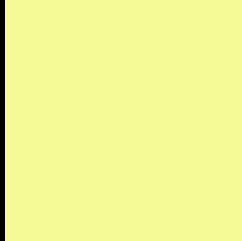
Large Text (above 18pt) WCAG AA × Fail

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, 49.918, 108.127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

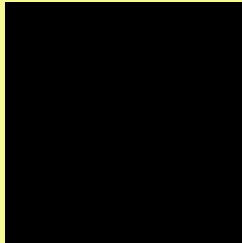
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 49.918, 108.127

Background



This preview shows how black text looks on a background with the CIELCh color 96, 49.918, 108.127.

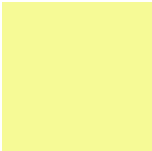
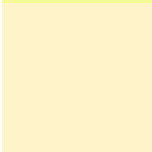
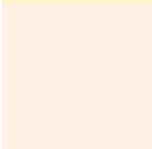


This preview shows how white text looks on a background with the CIELCh color 96, 49.918, 108.127.

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, 49.918, 108.127
	Protanopia 96, 21.376, 96.287
	Deuteranopia 96, 8.355, 72.056

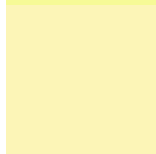


Tritanopia
96, 9.153, 328.376

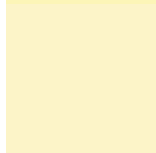
Trichromacy



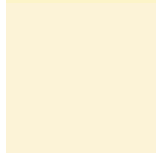
Original Color
96, 49.918, 108.127



Protanomaly
96, 31.552, 102.797



Deuteranomaly
96, 22.597, 100.729

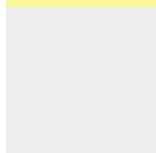


Tritanomaly
96, 14.659, 95.914

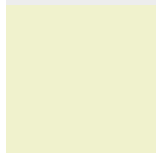
Monochromacy



Original Color
96, 49.918, 108.127



Achromatopsia
94, 0.011, 296.813



Achromatomaly
94, 18.911, 110.949

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 49.918, 108.127 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(246, 250, 150)` looks like.

```
.text, #text, p{  
    color:rgb(246, 250, 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(246, 250, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 250, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 49.918, 108.127 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(246, 250, 150) }
```

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

```
.border{ border-color:rgb(246, 250, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 250, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 250, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 250, 150);  
box-shadow:4px 4px 4px 4px rgb(246, 250,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 49.918, 108.127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 250, 150) }
```

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

```
.background{ background-color: rgb(246,  
250, 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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