

Converting Colors

CIELCh(96, 48.970, 101.788)

Have a look what the booklet for
CIELCh(96, 48.970, 101.788)
contains.

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Color

CIElCh(96, 49.141, 102.599)

Conversions

Conversions Part 1

Format	Color
Hex	FFF795
RGB	255, 247, 149
RGB Percent	100%, 97%, 58%
CMY	0.0000, 0.0311, 0.4154
CMYK	0.00, 0.03, 0.42, 0.00
HSL	56°, 100%, 79%
HSV	56°, 42%, 100%
XYZ	79.9768, 90.0078, 41.6182
YIQ	238.2200, 36.2260, -28.7820

Conversions

Conversions Part 2

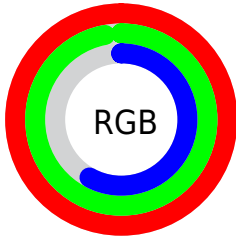
Format	Color
R _Y B	158, 255, 149
Decimal	16775061
CIE Lab	96.00, -10.72, 47.96
CIE LCh	96, 49.141, 102.599
Yxy	90.0078, 0.3780, 0.4254
Android (android.graphics.Color)	4294965141 (0xFFFFF795)
YUV	238.2200, -43.9855, 14.7161
Hunter-Lab	94.8724, -15.5525, 40.4017

Details

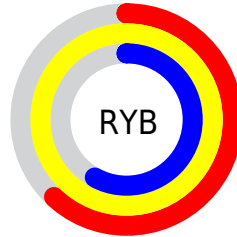
The CIELCh color **96, 49.141, 102.599** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **68, 53.956, 293.010**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 25.735, 108.225**, and **76, 49.301, 102.510** is the 20% darker color. If you saturate the color by 10%, you get **95, 60.212, 101.610**, and if you desaturate by 10%, it is **97, 37.582, 103.686**.

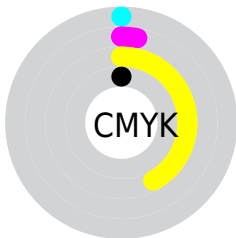
Distribution



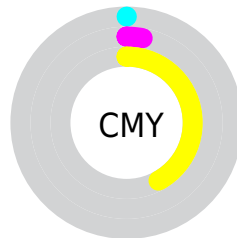
- Red (100%)
- Green (97%)
- Blue (58%)



- Red (62%)
- Yellow (100%)
- Blue (58%)



- Cyan (0%)
- Magenta (3%)
- Yellow (42%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 49.141, 102.599 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, 49.141, 102.599 by changing the saturation by 10% instead.


 96, 49.141,
102.599


 96, 49.141,
102.599


 100, 49.141,
102.599


 86, 49.141,
102.599

 76, 49.141,
102.599

 66, 49.141,
102.599

 56, 49.141,
102.599

 46, 49.141,
102.599

 36, 49.141,
102.599

 26, 49.141,

102.599

■ 16, 49.141,
102.599

■ 6, 49.141, 102.599

■ 96, 49.141,
102.599

■ 96, 49.141,
102.599

■ 95, 60.212,
101.610

■ 97, 37.582,
103.686

■ 94, 70.441,
100.636

■ 98, 25.762,
104.745

■ 94, 79.303, 99.737

■ 99, 13.818,
105.794

■ 93, 86.120, 98.938

■ 93, 90.262, 98.250

■ 100, 1.837,
106.774

■ 92, 91.748, 97.737

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, 49.141, 102.599



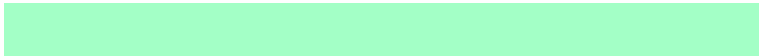
68, 53.956, 293.010

Rectangle

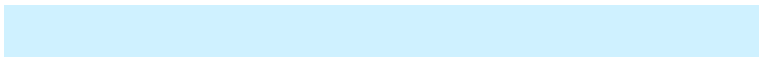
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 49.141, 102.599



96, 49.141, 152.599



96, 49.141, 282.599



96, 49.141, 332.599

Sweetspot

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



96, 49.140, 102.635



99, 14.366, 105.747



73, 42.609, 17.432



53, 9.529, 105.611



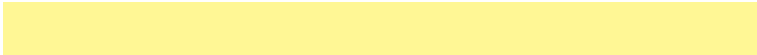
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

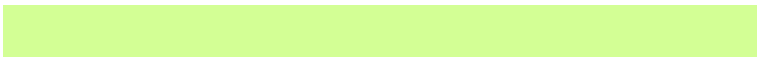
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 49.140, 102.635



95, 58.548, 101.766



95, 55.486, 124.025



53, 6.806, 106.005



71, 73.963, 97.831



24, 33.502, 98.661

Inverse Universe

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



68, 53.956, 293.010



61, 66.078, 294.776



70, 59.709, 308.535



49, 6.937, 288.046



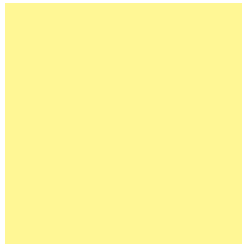
24, 104.365, 305.397



4, 41.750, 300.451

Previews

White Background



This preview shows how the CIE LCh color 96, 49.141, 102.599 looks on a white background.

Color Contrast Check

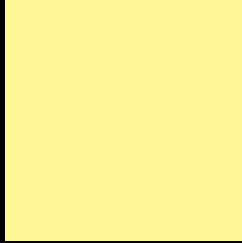
Large Text (above 18pt) WCAG AA × Fail

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, 49.141, 102.599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

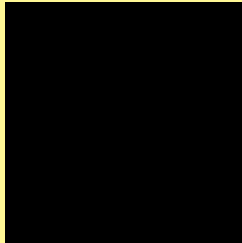
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 49.141, 102.599

Background



This preview shows how black text looks on a background with the CIELCh color 96, 49.141, 102.599.

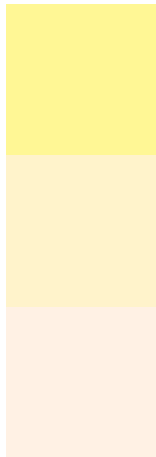


This preview shows how white text looks on a background with the CIELCh color 96, 49.141, 102.599.

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, 49.141, 102.599

Protanopia

96, 20.879, 96.049

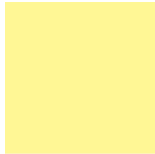
Deuteranopia

96, 8.355, 72.056



Tritanopia
96, 7.326, 340.860

Trichromacy



Original Color
96, 49.141, 102.599



Protanomaly
96, 31.253, 99.913



Deuteranomaly
96, 22.869, 96.931

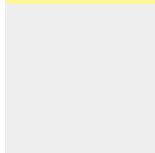


Tritanomaly
96, 16.055, 91.403

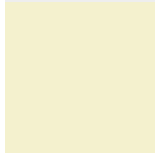
Monochromacy



Original Color
96, 49.141, 102.599



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 17.912, 105.181

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 49.141, 102.599 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(255, 247, 149)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 149)  
}
```

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(255, 247, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 49.141, 102.599 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(255, 247, 149) }
```

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

```
.border{ border-color:rgb(255, 247, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 149);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 49.141, 102.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 149) }
```

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

```
.background{ background-color: rgb(255,  
247, 149) }
```

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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