

Converting Colors

CIELCh(96, 51.500, 102.020)

Have a look what the booklet for
CIELCh(96, 51.500, 102.020)
contains.

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Color

CIElCh(96, 51.514, 102.568)

Conversions

Conversions Part 1

Format	Color
Hex	FFF790
RGB	255, 247, 144
RGB Percent	100%, 97%, 56%
CMY	0.0000, 0.0304, 0.4343
CMYK	0.00, 0.03, 0.43, 0.00
HSL	56°, 100%, 78%
HSV	56°, 43%, 100%
XYZ	79.7278, 90.0078, 39.6526
YIQ	237.6500, 37.8310, -30.3370

Conversions

Conversions Part 2

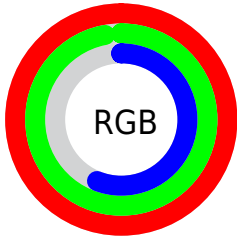
Format	Color
R _Y B	153, 255, 144
Decimal	16775056
CIE Lab	96.00, -11.21, 50.28
CIE LCh	96, 51.514, 102.568
Yxy	90.0078, 0.3808, 0.4299
Android (android.graphics.Color)	4294965136 (0xFFFFF790)
YUV	237.6500, -46.1694, 15.2160
Hunter-Lab	94.8724, -16.0210, 41.6300

Details

The CIELCh color **96, 51.514, 102.568** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **66, 56.958, 293.593**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 28.233, 108.033**, and **76, 51.623, 102.888** is the 20% darker color. If you saturate the color by 10%, you get **95, 62.486, 101.682**, and if you desaturate by 10%, it is **97, 39.979, 103.729**.

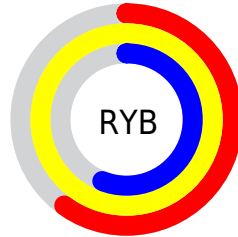
Distribution



Red (100%)

Green (97%)

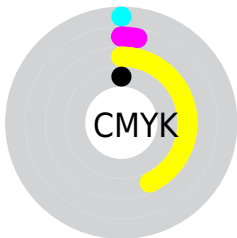
Blue (56%)



Red (60%)

Yellow (100%)

Blue (56%)

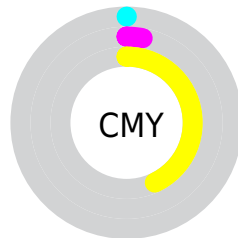


Cyan (0%)

Magenta (3%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 51.514, 102.568 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, 51.514, 102.568 by changing the saturation by 10% instead.


 96, 51.514,
102.568


 96, 51.514,
102.568

 100, 51.514,
102.568


 86, 51.514,
102.568

 76, 51.514,
102.568

 66, 51.514,
102.568

 56, 51.514,
102.568

 46, 51.514,
102.568

 36, 51.514,
102.568

 26, 51.514,

102.568

■ 16, 51.514,
102.568

■ 6, 51.514, 102.568

■ 96, 51.514,
102.568

■ 96, 51.514,
102.568

■ 95, 62.486,
101.682

■ 97, 39.979,
103.729

■ 95, 72.525,
100.732

■ 98, 28.146,
104.782

■ 94, 81.066, 99.867

■ 99, 16.163,
105.829

■ 93, 87.423, 99.110

■ 100, 4.125,
106.843

■ 93, 91.025, 98.470

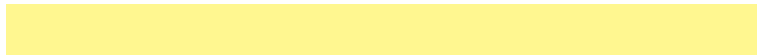
■ 93, 92.064, 98.099

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, 51.514, 102.568



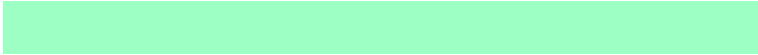
66, 56.958, 293.593

Rectangle

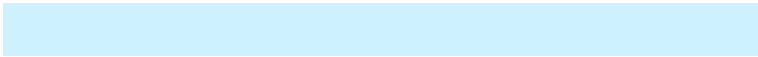
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 51.514, 102.568



96, 51.514, 152.568



96, 51.514, 282.568



96, 51.514, 332.568

Sweetspot

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



96, 51.508, 102.689



99, 15.641, 105.874



72, 44.756, 17.790



52, 10.943, 105.645



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, 51.508, 102.689



95, 60.958, 101.823



95, 57.899, 123.937



53, 6.840, 106.235



71, 74.214, 98.185



24, 33.632, 98.967

Inverse Universe

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



66, 56.958, 293.593



60, 69.399, 295.420



68, 62.550, 308.662



49, 6.973, 288.268



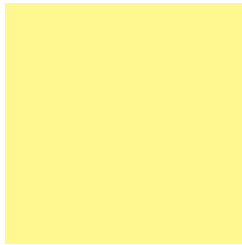
24, 104.624, 305.466



4, 41.908, 300.544

Previews

White Background



This preview shows how the CIE LCh color 96, 51.514, 102.568 looks on a white background.

Color Contrast Check

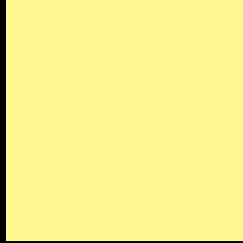
Large Text (above 18pt) WCAG AA × Fail

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, 51.514, 102.568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

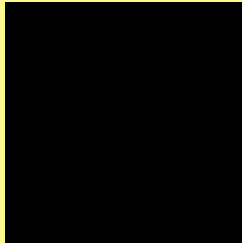
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 51.514, 102.568

Background



This preview shows how black text looks on a background with the CIELCh color 96, 51.514, 102.568.

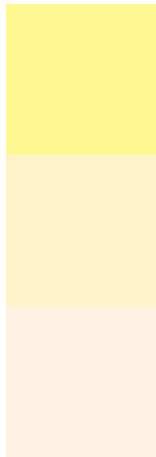


This preview shows how white text looks on a background with the CIELCh color 96, 51.514, 102.568.

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, 51.514, 102.568

Protanopia

96, 21.376, 96.287

Deuteranopia

96, 8.355, 72.056

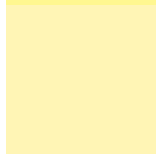


Tritanopia
96, 7.326, 340.860

Trichromacy



Original Color
96, 51.514, 102.568



Protanomaly
96, 32.669, 100.816



Deuteranomaly
96, 23.367, 97.124

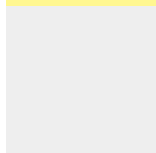


Tritanomaly
96, 17.034, 92.314

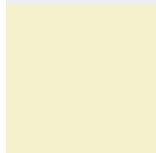
Monochromacy



Original Color
96, 51.514, 102.568



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 18.928, 105.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 51.514, 102.568 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, 144)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 144)  
}
```

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, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 51.514, 102.568 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, 144) }
```

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

```
.border{ border-color:rgb(255, 247, 144) }
```

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, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 247, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 247, 144); box-shadow:4px 4px 4px 4px rgb(255, 247, 144) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 51.514, 102.568 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, 144) }
```

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

```
.background{ background-color: rgb(255,  
247, 144) }
```

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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