

Converting Colors

CIELCh(100, 61.869, 81.927)

Have a look what the booklet for
CIELCh(100, 61.869, 81.927)
contains.

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Color

CIELCh(96, 56.243, 102.039)

Conversions

Conversions Part 1

Format	Color
Hex	FFF786
RGB	255, 247, 134
RGB Percent	100%, 97%, 53%
CMY	0.0000, 0.0299, 0.4734
CMYK	0.00, 0.03, 0.47, 0.00
HSL	56°, 100%, 76%
HSV	56°, 47%, 100%
XYZ	79.4635, 90.0078, 35.8449
YIQ	236.5100, 41.0410, -33.4470

Conversions

Conversions Part 2

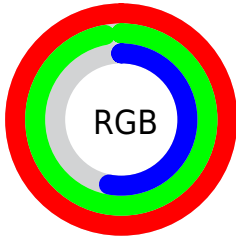
Format	Color
R _Y B	143, 255, 134
Decimal	16775046
CIE Lab	96.00, -11.73, 55.01
CIE LCh	96, 56.243, 102.039
Yxy	90.0078, 0.3870, 0.4384
Android (android.graphics.Color)	4294965126 (0xFFFFF786)
YUV	236.5100, -50.5374, 16.2157
Hunter-Lab	94.8724, -16.5183, 44.0096

Details

The CIELCh color **96, 56.243, 102.039** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **63, 63.064, 294.671**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 33.205, 107.650**, and **76, 56.152, 102.637** is the 20% darker color. If you saturate the color by 10%, you get **95, 66.911, 101.658**, and if you desaturate by 10%, it is **97, 44.801, 103.651**.

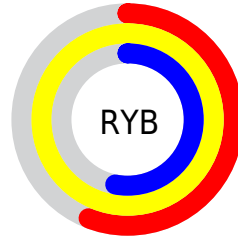
Distribution



Red (100%)

Green (97%)

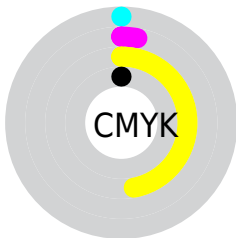
Blue (53%)



Red (56%)

Yellow (100%)

Blue (53%)

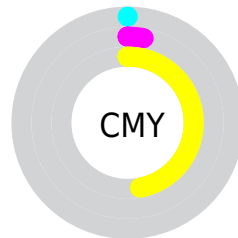


Cyan (0%)

Magenta (3%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 56.243, 102.039 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, 56.243, 102.039 by changing the saturation by 10% instead.


 96, 56.243,
102.039


 96, 56.243,
102.039


 100, 56.243,
102.039


 86, 56.243,
102.039

 76, 56.243,
102.039

 66, 56.243,
102.039

 56, 56.243,
102.039

 46, 56.243,
102.039

 36, 56.243,
102.039

 26, 56.243,

102.039

■ 16, 56.243,
102.039

■ 6, 56.243, 102.039

■ 96, 56.243,
102.039

■ 96, 56.243,
102.039

■ 95, 66.911,
101.658

■ 97, 44.801,
103.651

■ 95, 76.467,
100.757

■ 97, 33.000,
104.692

■ 94, 84.252, 99.956

■ 98, 20.989,
105.736

■ 94, 89.589, 99.277

■ 99, 8.885, 106.764

■ 93, 92.105, 98.721

100, 0.012,

Harmonies

Complementary

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



96, 56.243, 102.039



63, 63.064, 294.671

Rectangle

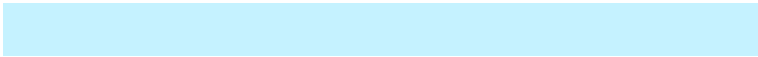
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 56.243, 102.039



96, 56.243, 152.039



96, 56.243, 282.039



96, 56.243, 332.039

Sweetspot

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



96, 56.204, 102.632



99, 16.957, 106.082



70, 49.372, 19.829



52, 11.704, 105.858



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

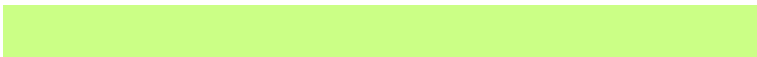
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 56.204, 102.632



95, 66.566, 101.690



94, 63.066, 124.400



53, 6.887, 106.544



72, 74.559, 98.661



25, 33.809, 99.377

Inverse Universe

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



63, 63.064, 294.671



56, 77.426, 296.833



66, 68.492, 309.435



49, 7.023, 288.565



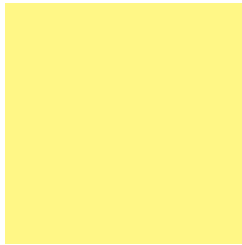
24, 104.957, 305.555



4, 42.121, 300.669

Previews

White Background



This preview shows how the CIELCh color 96, 56.243, 102.039 looks on a white background.

Color Contrast Check

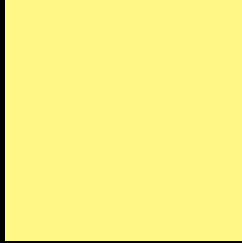
Large Text (above 18pt) WCAG AA × Fail

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, 56.243, 102.039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

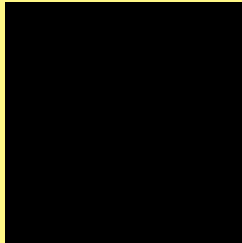
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 56.243, 102.039

Background



This preview shows how black text looks on a background with the CIELCh color 96, 56.243, 102.039.

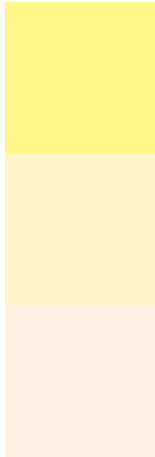


This preview shows how white text looks on a background with the CIELCh color 96, 56.243, 102.039.

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, 56.186, 102.471

Protanopia
96, 22.371, 96.728

Deuteranopia
96, 9.197, 75.797

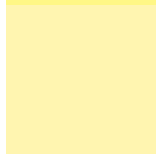


Tritanopia
96, 7.016, 344.104

Trichromacy



Original Color
96, 56.186, 102.471



Protanomaly
96, 35.147, 101.064



Deuteranomaly
96, 25.859, 97.952

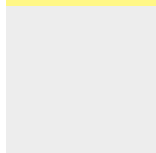


Tritanomaly
96, 19.003, 93.828

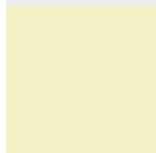
Monochromacy



Original Color
96, 56.186, 102.471



Achromatopsia
94, 0.011, 296.813



Achromatomaly
94, 20.959, 105.434

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 56.243, 102.039 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, 134)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 134)  
}
```

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, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 56.243, 102.039 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, 134) }
```

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

```
.border{ border-color:rgb(255, 247, 134) }
```

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, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 134);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 56.243, 102.039 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, 134) }
```

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

```
.background{ background-color: rgb(255,  
247, 134) }
```

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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