

Converting Colors

CIELCh(100, 68.760, 86.269)

Have a look what the booklet for
CIELCh(100, 68.760, 86.269)
contains.

CIELCh(96, 64.234, 102.603)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(96, 64.234, 102.603)

Conversions

Conversions Part 1

Format	Color
Hex	FFF875
RGB	255, 248, 117
RGB Percent	100%, 97%, 46%
CMY	0.0000, 0.0259, 0.5397
CMYK	0.00, 0.03, 0.54, 0.00
HSL	57°, 100%, 73%
HSV	57°, 54%, 100%
XYZ	78.3129, 90.0078, 30.1908
YIQ	235.1590, 46.2230, -39.2570

Conversions

Conversions Part 2

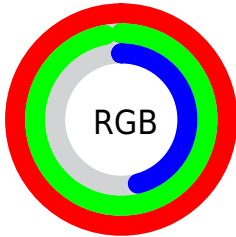
Format	Color
R_YB	124, 255, 117
Decimal	16775285
CIE Lab	96.00, -14.02, 62.69
CIE LCh	96, 64.234, 102.603
Yxy	90.0078, 0.3945, 0.4534
Android (android.graphics.Color)	4294965365 (0xFFFFF875)
YUV	235.1590, -58.2524, 17.4006
Hunter-Lab	94.8724, -18.6832, 47.5432

Details

The CIELCh color **96, 64.234, 102.603** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **57, 74.160, 296.713**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 41.560, 107.005**, and **76, 64.351, 102.547** is the 20% darker color. If you saturate the color by 10%, you get **95, 74.302, 101.865**, and if you desaturate by 10%, it is **97, 53.139, 103.719**.

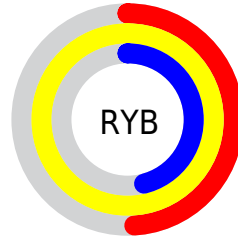
Distribution



Red (100%)

Green (97%)

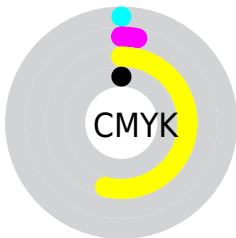
Blue (46%)



Red (49%)

Yellow (100%)

Blue (46%)

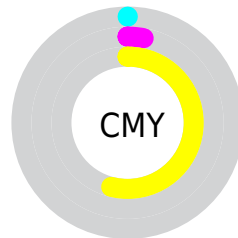


Cyan (0%)

Magenta (3%)

Yellow (54%)

Black (0%)



Cyan (0%)

Magenta (3%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 64.234, 102.603 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, 64.234, 102.603 by changing the saturation by 10% instead.


 96, 64.234,
102.603


 96, 64.234,
102.603

 100, 64.234,
102.603


 86, 64.234,
102.603

 76, 64.234,
102.603

 66, 64.234,
102.603

 56, 64.234,
102.603

 46, 64.234,
102.603

 36, 64.234,
102.603

 26, 64.234,

102.603

■ 16, 64.234,
102.603

■ 6, 64.234, 102.603

■ 96, 64.234,
102.603

■ 96, 64.234,
102.603

■ 95, 74.302,
101.865

■ 97, 53.139,
103.719

■ 95, 82.800,
101.077

■ 97, 41.444,
104.724

■ 95, 89.050,
100.421

■ 98, 29.402,
105.749

■ 94, 92.538, 99.912

■ 99, 17.179,
106.775

■ 94, 93.508, 99.661

100, 4.878,
107.776

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, 64.234, 102.603



57, 74.160, 296.713

Rectangle

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



96, 64.234, 102.603



96, 64.234, 152.603



96, 64.234, 282.603



96, 64.234, 332.603

Sweetspot

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



96, 64.226, 102.756



99, 19.670, 106.568



66, 57.346, 22.575



52, 13.275, 106.357



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, 64.226, 102.756



95, 75.262, 101.779



94, 71.488, 124.774



53, 6.994, 107.228



73, 75.360, 99.718



25, 34.215, 100.289

Inverse Universe

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



57, 74.160, 296.713



49, 91.078, 299.305



61, 78.426, 310.344



49, 7.138, 289.225



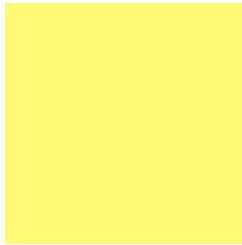
24, 105.643, 305.736



4, 42.605, 300.946

Previews

White Background



This preview shows how the CIELCh color 96, 64.234, 102.603 looks on a white background.

Color Contrast Check

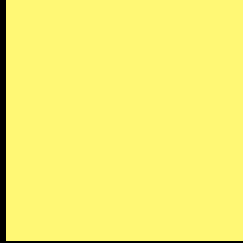
Large Text (above 18pt) WCAG AA × Fail

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, 64.234, 102.603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

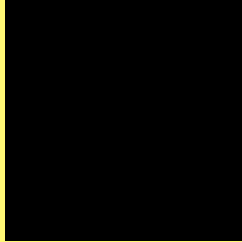
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 64.234, 102.603

Background



This preview shows how black text looks on a background with the CIELCh color 96, 64.234, 102.603.

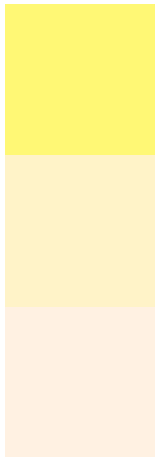


This preview shows how white text looks on a background with the CIELCh color 96, 64.234, 102.603.

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, 64.234, 102.603

Protanopia
96, 22.371, 96.728

Deuteranopia
96, 9.197, 75.797



Tritanopia
96, 7.016, 344.104

Trichromacy



Original Color
96, 64.234, 102.603



Protanomaly
96, 38.108, 101.284



Deuteranomaly
96, 29.263, 99.577

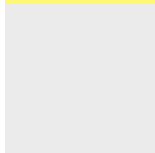


Tritanomaly
96, 21.974, 95.531

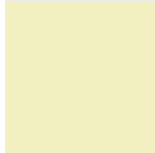
Monochromacy



Original Color
96, 64.234, 102.603



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 24.509, 106.453

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 64.234, 102.603 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, 248, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 117)  
}
```

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, 248, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 64.234, 102.603 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, 248, 117) }
```

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

```
.border{ border-color:rgb(255, 248, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 64.234, 102.603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 117) }
```

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

```
.background{ background-color: rgb(255,  
248, 117) }
```

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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