

Converting Colors

CIELCh(100, 74.818, 85.712)

Have a look what the booklet for
CIELCh(100, 74.818, 85.712)
contains.

CIELCh(96, 70.173, 102.342)	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, 70.173, 102.342)

Conversions

Conversions Part 1

Format	Color
Hex	FFF968
RGB	255, 249, 104
RGB Percent	100%, 98%, 41%
CMY	0.0000, 0.0245, 0.5932
CMYK	0.00, 0.02, 0.59, 0.00
HSL	58°, 100%, 70%
HSV	58°, 59%, 100%
XYZ	77.8208, 90.0078, 26.2981
YIQ	234.2640, 50.1210, -43.8230

Conversions

Conversions Part 2

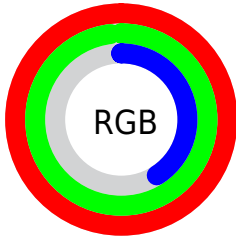
Format	Color
R _Y B	110, 255, 104
Decimal	16775528
CIE Lab	96.00, -15.00, 68.55
CIE LCh	96, 70.173, 102.342
Yxy	90.0078, 0.4009, 0.4637
Android (android.graphics.Color)	4294965608 (0xFFFFF968)
YUV	234.2640, -64.2202, 18.1855
Hunter-Lab	94.8724, -19.6089, 49.9759

Details

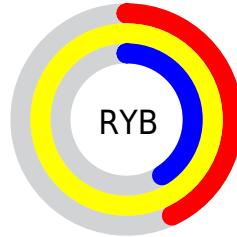
The CIELCh color **96, 70.173, 102.342** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **53, 82.968, 298.191**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 47.360, 106.557**, and **76, 70.186, 102.879** is the 20% darker color. If you saturate the color by 10%, you get **95, 79.495, 101.793**, and if you desaturate by 10%, it is **96, 59.512, 103.528**.

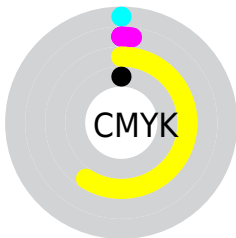
Distribution



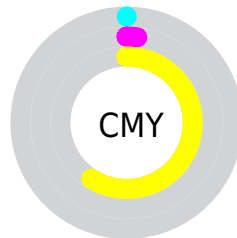
- Red (100%)
- Green (98%)
- Blue (41%)



- Red (43%)
- Yellow (100%)
- Blue (41%)



- Cyan (0%)
- Magenta (2%)
- Yellow (59%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 70.173, 102.342 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, 70.173, 102.342 by changing the saturation by 10% instead.


 96, 70.173,
102.342


 96, 70.173,
102.342


 100, 70.173,
102.342


 86, 70.173,
102.342

 76, 70.173,
102.342

 66, 70.173,
102.342

 56, 70.173,
102.342

 46, 70.173,
102.342

 36, 70.173,
102.342

 26, 70.173,

102.342

■ 16, 70.173,
102.342

■ 6, 70.173, 102.342

■ 96, 70.173,
102.342

■ 96, 70.173,
102.342

■ 95, 79.495,
101.793

■ 96, 59.512,
103.528

■ 95, 86.887,
101.098

■ 97, 48.049,
104.502

■ 95, 91.708,
100.554

■ 98, 36.103,
105.510

■ 94, 93.861,
100.153

■ 98, 23.889,
106.530

■ 94, 93.967,
100.128

■ 99, 11.540,
107.543

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, 70.173, 102.342



53, 82.968, 298.191

Rectangle

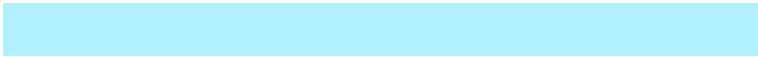
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 70.173, 102.342



96, 70.173, 152.342



96, 70.173, 282.342



96, 70.173, 332.342

Sweetspot

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



96, 70.158, 102.614



99, 22.267, 106.664



64, 63.621, 23.988



52, 15.460, 106.368



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, 70.158, 102.614



95, 80.894, 101.667



93, 77.748, 124.620



53, 7.042, 107.524



73, 75.724, 100.176



25, 34.397, 100.684

Inverse Universe

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



53, 82.968, 298.191



45, 100.922, 300.972



58, 86.205, 310.641



49, 7.189, 289.510



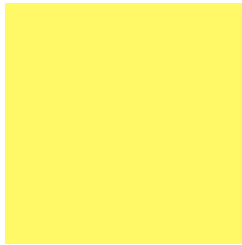
23, 105.937, 305.813



4, 42.819, 301.066

Previews

White Background



This preview shows how the CIELCh color 96, 70.173, 102.342 looks on a white background.

Color Contrast Check

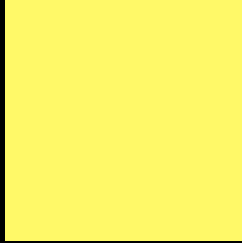
Large Text (above 18pt) WCAG AA × Fail

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, 70.173, 102.342 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, 70.173, 102.342

Background



This preview shows how black text looks on a background with the CIELCh color 96, 70.173, 102.342.

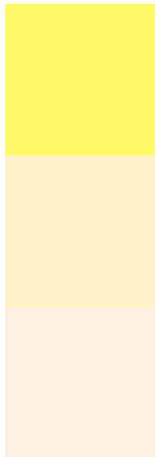


This preview shows how white text looks on a background with the CIELCh color 96, 70.173, 102.342.

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, 70.140, 102.699

Protanopia
96, 22.869, 96.931

Deuteranopia
96, 9.197, 75.797



Tritanopia
96, 7.016, 344.104

Trichromacy



Original Color
96, 70.140, 102.699



Protanomaly
96, 41.051, 101.440



Deuteranomaly
96, 31.750, 99.987

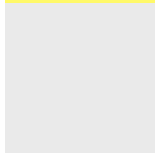


Tritanomaly
96, 24.862, 97.646

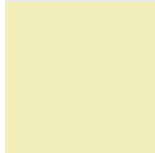
Monochromacy



Original Color
96, 70.140, 102.699



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 26.563, 105.582

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 70.173, 102.342 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, 249, 104)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 104)  
}
```

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, 249, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 70.173, 102.342 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, 249, 104) }
```

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

```
.border{ border-color:rgb(255, 249, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 249, 104); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 249, 104); box-shadow:4px 4px 4px 4px rgb(255, 249, 104) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 70.173, 102.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 104) }
```

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

```
.background{ background-color: rgb(255,  
249, 104) }
```

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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