

Converting Colors

CIELCh(100, 76.000, 87.926)

Have a look what the booklet for
CIELCh(100, 76.000, 87.926)
contains.

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Color

CIELCh(96, 72.171, 102.595)

Conversions

Conversions Part 1

Format	Color
Hex	FFF963
RGB	255, 249, 99
RGB Percent	100%, 98%, 39%
CMY	0.0000, 0.0231, 0.6113
CMYK	0.00, 0.02, 0.61, 0.00
HSL	58°, 100%, 69%
HSV	58°, 61%, 100%
XYZ	77.4530, 90.0078, 25.1233
YIQ	233.6940, 51.7260, -45.3780

Conversions

Conversions Part 2

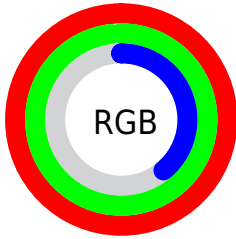
Format	Color
R_{YB}	105, 255, 99
Decimal	16775523
CIE _{Lab}	96.00, -15.74, 70.43
CIE _{LCh}	96, 72.171, 102.595
Yxy	90.0078, 0.4022, 0.4674
Android (android.graphics.Color)	4294965603 (0xFFFFF963)
YUV	233.6940, -66.4041, 18.6854
Hunter-Lab	94.8724, -20.3010, 50.7100

Details

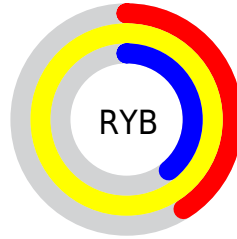
The CIELCh color **96, 72.171, 102.595** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **52, 86.110, 298.741**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 49.747, 106.373**, and **76, 72.194, 102.717** is the 20% darker color. If you saturate the color by 10%, you get **96, 81.216, 101.847**, and if you desaturate by 10%, it is **96, 61.700, 103.528**.

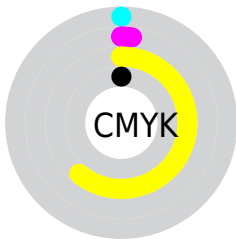
Distribution



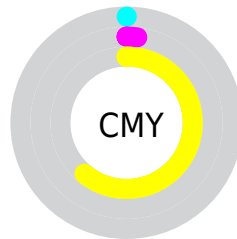
- Red (100%)
- Green (98%)
- Blue (39%)



- Red (41%)
- Yellow (100%)
- Blue (39%)



- Cyan (0%)
- Magenta (2%)
- Yellow (61%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 72.171, 102.595 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, 72.171, 102.595 by changing the saturation by 10% instead.


 96, 72.171,
102.595


 96, 72.171,
102.595


 100, 72.171,
102.595


 86, 72.171,
102.595

 76, 72.171,
102.595

 66, 72.171,
102.595

 56, 72.171,
102.595

 46, 72.171,
102.595

 36, 72.171,
102.595

 26, 72.171,

102.595

■ 16, 72.171,
102.595

■ 6, 72.171, 102.595

■ 96, 72.171,
102.595

■ 96, 72.171,
102.595

■ 96, 81.216,
101.847

■ 96, 61.700,
103.528

■ 95, 88.189,
101.191

■ 97, 50.330,
104.487

■ 95, 92.508,
100.693

■ 98, 38.420,
105.486

■ 95, 94.208,
100.368

■ 98, 26.206,
106.501

■ 99, 13.834,
107.514

■ 100, 1.397,
108.454

■ 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, 72.171, 102.595



52, 86.110, 298.741

Rectangle

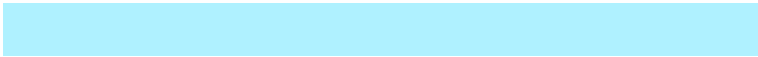
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 72.171, 102.595



96, 72.171, 152.595



96, 72.171, 282.595



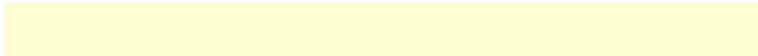
96, 72.171, 332.595

Sweetspot

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



96, 72.170, 102.637



99, 22.344, 106.820



63, 65.737, 24.510



52, 15.513, 106.524



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, 72.170, 102.637



96, 82.697, 101.713



93, 79.792, 124.580



53, 7.067, 107.677



73, 75.915, 100.412



25, 34.492, 100.888

Inverse Universe

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



52, 86.110, 298.741



44, 104.281, 301.552



57, 88.791, 310.736



49, 7.215, 289.657



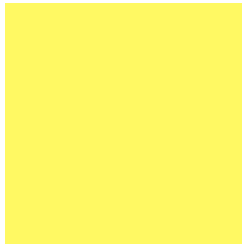
23, 106.091, 305.853



4, 42.931, 301.127

Previews

White Background



This preview shows how the CIELCh color 96, 72.171, 102.595 looks on a white background.

Color Contrast Check

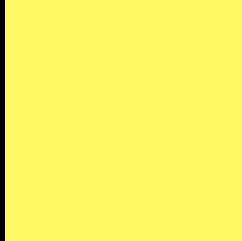
Large Text (above 18pt) WCAG AA × Fail

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, 72.171, 102.595 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, 72.171, 102.595

Background



This preview shows how black text looks on a background with the CIELCh color 96, 72.171, 102.595.

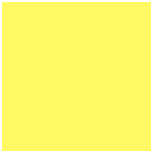
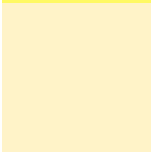
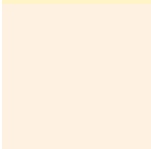



This preview shows how white text looks on a background with the CIELCh color 96, 72.171, 102.595.

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, 72.171, 102.595
	Protanopia 96, 22.371, 96.728
	Deuteranopia 96, 9.197, 75.797

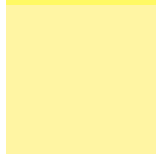


Tritanopia
96, 7.016, 344.104

Trichromacy



Original Color
96, 72.171, 102.595



Protanomaly
96, 41.540, 101.460



Deuteranomaly
96, 32.743, 100.125

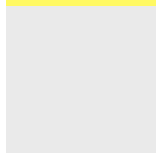


Tritanomaly
96, 25.859, 97.952

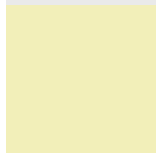
Monochromacy



Original Color
96, 72.171, 102.595



Achromatopsia
93, 0.011, 296.813



Achromatomaly
93, 27.572, 105.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 72.171, 102.595 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 72.171, 102.595 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, 99) }
```

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

```
.border{ border-color:rgb(255, 249, 99) }
```

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, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 72.171, 102.595 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, 99) }
```

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

```
.background{ background-color: rgb(255,  
249, 99) }
```

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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