

Converting Colors

CIELCh(100, 79.802, 101.031)

Have a look what the booklet for
CIELCh(100, 79.802, 101.031)
contains.

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Color

CIELCh(97, 77.889, 104.234)

Conversions

Conversions Part 1

Format	Color
Hex	FEFE59
RGB	254, 254, 89
RGB Percent	100%, 100%, 35%
CMY	0.0052, 0.0049, 0.6521
CMYK	0.00, 0.00, 0.65, 0.00
HSL	60°, 98%, 67%
HSV	60°, 65%, 100%
XYZ	77.8997, 92.4403, 23.1269
YIQ	235.1900, 52.9650, -51.3150

Conversions

Conversions Part 2

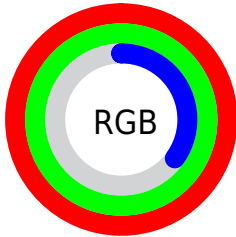
Format	Color
R _Y B	89, 254, 89
Decimal	16711257
CIE Lab	97.00, -19.15, 75.50
CIE LCh	97, 77.889, 104.234
Yxy	92.4403, 0.4027, 0.4778
Android (android.graphics.Color)	4294901337 (0xFFFEFE59)
YUV	235.1900, -72.0717, 16.4964
Hunter-Lab	96.1459, -23.6302, 53.0405

Details

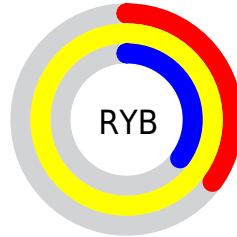
The CIELCh color **97, 77.889, 104.234** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **47, 95.539, 300.894**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 53.989, 106.046**, and **77, 78.044, 104.321** is the 20% darker color. If you saturate the color by 10%, you get **97, 86.292, 103.617**, and if you desaturate by 10%, it is **97, 67.758, 104.998**.

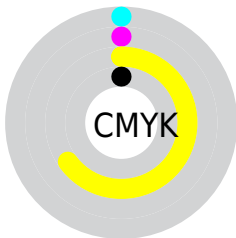
Distribution



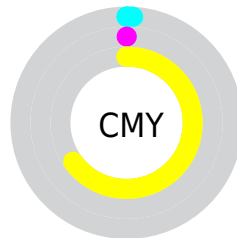
- Red (100%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (35%)



- Cyan (0%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)



- Cyan (1%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 77.889, 104.234 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 97, 77.889, 104.234 by changing the saturation by 10% instead.

■ 97, 77.889,
104.234

■ 97, 77.889,
104.234

■ 100, 77.889,
104.234

■ 87, 77.889,
104.234

■ 77, 77.889,
104.234

■ 67, 77.889,
104.234

■ 57, 77.889,
104.234

■ 47, 77.889,
104.234

■ 37, 77.889,
104.234

■ 27, 77.889,

104.234

■ 17, 77.889,
104.234

■ 7, 77.889, 104.234

■ 97, 77.889,
104.234

■ 97, 77.889,
104.234

■ 97, 86.292,
103.617

■ 97, 67.758,
104.998

■ 97, 92.349,
103.179

■ 97, 56.471,
105.862

■ 97, 95.677,
102.943

■ 98, 44.456,
106.790

■ 97, 96.548,
102.882

■ 98, 32.003,
107.754

99, 19.301,
108.732

99, 6.470, 109.700

100, 0.650,
290.531

100, 0.650,
290.907

100, 0.650,
291.283

Harmonies

Complementary

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



97, 77.889, 104.234



47, 95.539, 300.894

Rectangle

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



97, 77.889, 104.234



97, 77.889, 154.234



97, 77.889, 284.234



97, 77.889, 334.234

Sweetspot

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



97, 77.890, 104.236



99, 25.735, 108.245



61, 71.624, 29.128



53, 17.535, 107.970



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



97, 77.890, 104.236



97, 88.704, 103.465



92, 84.878, 126.329



53, 7.338, 109.270



75, 78.056, 102.882



26, 35.525, 103.020

Inverse Universe

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



47, 95.539, 300.894



39, 115.305, 303.670



55, 93.777, 312.309



49, 7.504, 291.192



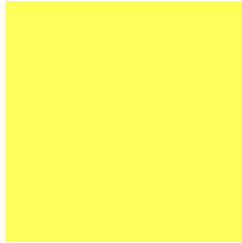
23, 107.779, 306.289



3, 44.128, 301.768

Previews

White Background



This preview shows how the CIELCh color 97, 77.889, 104.234 looks on a white background.

Color Contrast Check

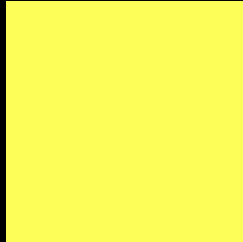
Large Text (above 18pt) WCAG AA × Fail

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 97, 77.889, 104.234 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 97, 77.889, 104.234

Background



This preview shows how black text looks on a background with the CIELCh color 97, 77.889, 104.234.



This preview shows how white text looks on a background with the CIELCh color 97, 77.889, 104.234.

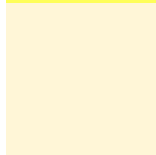
Color Blindness Simulation

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](#).

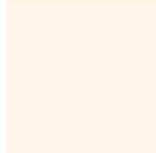
Dichromacy



Original Color
97, 77.885, 104.217



Protanopia
97, 16.117, 96.999



Deuteranopia
97, 7.081, 79.029

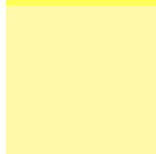


Tritanopia
97, 5.567, 339.698

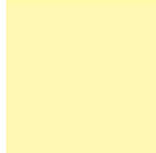
Trichromacy



Original Color
97, 77.885, 104.217



Protanomaly
97, 40.324, 103.704



Deuteranomaly
97, 33.968, 102.967

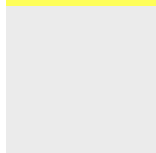


Tritanomaly
97, 28.551, 101.810

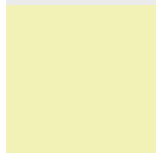
Monochromacy



Original Color
97, 77.885, 104.217



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 30.507, 107.763

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 77.889, 104.234 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(254, 254, 89)` looks like.

```
.text, #text, p{  
    color:rgb(254, 254, 89)  
}
```

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(254, 254, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 254, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 77.889, 104.234 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(254, 254, 89) }
```

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

```
.border{ border-color:rgb(254, 254, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 254, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 254, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 254, 89);  
box-shadow:4px 4px 4px 4px rgb(254, 254,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 77.889, 104.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 254, 89) }
```

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

```
.background{ background-color: rgb(254,  
254, 89) }
```

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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