

Converting Colors

CIELCh(96, 89.616, 102.412)

Have a look what the booklet for
CIELCh(96, 89.616, 102.412)
contains.

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Color

CIELCh(96, 89.623, 102.490)

Conversions

Conversions Part 1

Format	Color
Hex	FEFB2F
RGB	254, 251, 47
RGB Percent	100%, 98%, 18%
CMY	0.0052, 0.0169, 0.8174
CMYK	0.00, 0.01, 0.82, 0.01
HSL	59°, 99%, 59%
HSV	59°, 82%, 99%
XYZ	75.6535, 90.0078, 16.0280
YIQ	228.6410, 67.2720, -62.8080

Conversions

Conversions Part 2

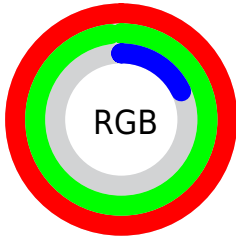
Format	Color
R _Y B	50, 254, 47
Decimal	16710447
CIE Lab	96.00, -19.38, 87.50
CIE LCh	96, 89.623, 102.490
Yxy	90.0078, 0.4164, 0.4954
Android (android.graphics.Color)	4294900527 (0xFFFEFB2F)
YUV	228.6410, -89.5490, 22.2398
Hunter-Lab	94.8724, -23.6868, 56.3941

Details

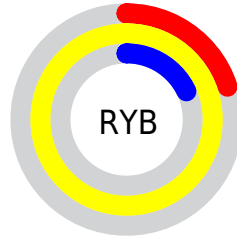
The CIELCh color **96, 89.623, 102.490** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **38, 118.147, 304.012**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 68.734, 104.921**, and **76, 79.205, 103.491** is the 20% darker color. If you saturate the color by 10%, you get **96, 93.844, 102.118**, and if you desaturate by 10%, it is **96, 82.747, 103.050**.

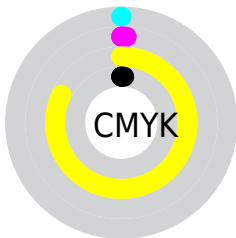
Distribution



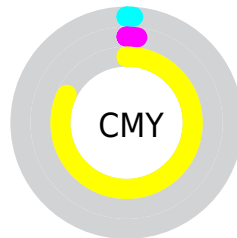
- Red (100%)
- Green (98%)
- Blue (18%)



- Red (20%)
- Yellow (100%)
- Blue (18%)



- Cyan (0%)
- Magenta (1%)
- Yellow (82%)
- Black (1%)





- Cyan (1%)
- Magenta (2%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 89.623, 102.490 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, 89.623, 102.490 by changing the saturation by 10% instead.

 96, 89.623,
102.490


 96, 89.623,
102.490

 100, 89.623,
102.490


 86, 89.623,
102.490

 76, 89.623,
102.490

 66, 89.623,
102.490

 56, 89.623,
102.490

 46, 89.623,
102.490

 36, 89.623,
102.490

 26, 89.623,

102.490

■ 16, 89.623,
102.490

■ 6, 89.623, 102.490

■ 96, 89.623,
102.490

■ 96, 89.623,
102.490

■ 96, 93.844,
102.118

■ 96, 82.747,
103.050

■ 96, 95.480,
101.931

■ 96, 73.743,
103.765

■ 97, 63.247,
104.599

■ 97, 51.785,
105.513

98, 39.732,
106.477

98, 27.334,
107.465

99, 14.748,
108.456

99, 2.075, 109.405

100, 0.545,
279.159

Harmonies

Complementary

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



96, 89.623, 102.490



38, 118.147, 304.012

Rectangle

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



96, 89.623, 102.490



96, 89.623, 152.490



96, 89.623, 282.490



96, 89.623, 332.490

Sweetspot

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



96, 89.623, 102.492



98, 30.405, 107.231



55, 89.693, 33.922



52, 20.847, 106.878



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, 89.623, 102.492



96, 95.528, 101.971



91, 99.482, 126.033



53, 7.234, 108.666



74, 77.225, 101.946



26, 35.129, 102.211

Inverse Universe

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



38, 118.147, 304.012



33, 132.405, 306.054



46, 113.288, 312.138



49, 7.393, 290.611



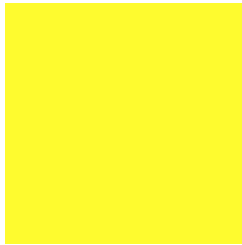
23, 107.132, 306.122



3, 43.673, 301.525

Previews

White Background



This preview shows how the CIELCh color 96, 89.623, 102.490 looks on a white background.

Color Contrast Check

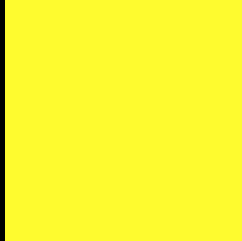
Large Text (above 18pt) WCAG AA × Fail

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, 89.623, 102.490 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, 89.623, 102.490

Background



This preview shows how black text looks on a background with the CIELCh color 96, 89.623, 102.490.



This preview shows how white text looks on a background with the CIELCh color 96, 89.623, 102.490.

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, 89.623, 102.490

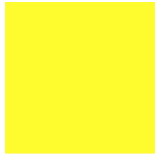
Protanopia
96, 23.277, 98.056

Deuteranopia
96, 9.631, 77.413

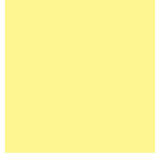


Tritanopia
96, 7.016, 344.104

Trichromacy



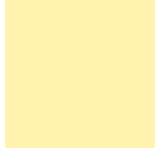
Original Color
96, 89.623, 102.490



Protanomaly
96, 51.101, 102.107



Deuteranomaly
96, 43.002, 101.513

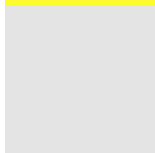


Tritanomaly
95, 35.298, 99.769

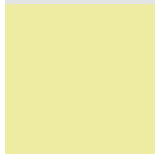
Monochromacy



Original Color
96, 89.623, 102.490



Achromatopsia
91, 0.011, 296.813



Achromatomaly
92, 37.642, 106.532

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 89.623, 102.490 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, 251, 47)` looks like.

```
.text, #text, p{  
    color:rgb(254, 251, 47)  
}
```

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, 251, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 251, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 89.623, 102.490 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, 251, 47) }
```

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

```
.border{ border-color:rgb(254, 251, 47) }
```

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

Here you see how a box with a 4 pixel rgb(254, 251, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 251, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 251, 47);  
box-shadow:4px 4px 4px 4px rgb(254, 251,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 89.623, 102.490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 251, 47) }
```

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

```
.background{ background-color: rgb(254,  
251, 47) }
```

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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