

Converting Colors

CIELCh(96, 89.614, 103.296)

Have a look what the booklet for
CIELCh(96, 89.614, 103.296)
contains.

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Color

CIElCh(96, 89.384, 103.313)

Conversions

Conversions Part 1

Format	Color
Hex	FBFB30
RGB	251, 251, 48
RGB Percent	98%, 98%, 19%
CMY	0.0142, 0.0143, 0.8098
CMYK	0.00, 0.00, 0.81, 0.01
HSL	60°, 97%, 59%
HSV	60°, 81%, 99%
XYZ	75.0673, 90.0078, 16.2660
YIQ	227.8580, 65.1630, -63.1330

Conversions

Conversions Part 2

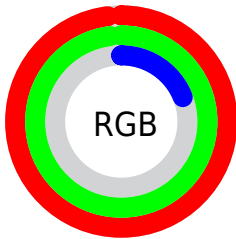
Format	Color
R_{YB}	48, 251, 48
Decimal	16513840
CIE _{Lab}	96.00, -20.58, 86.98
CIE _{LCh}	96, 89.384, 103.313
Yxy	90.0078, 0.4140, 0.4963
Android (android.graphics.Color)	4294703920 (0xFFFBFB30)
YUV	227.8580, -88.6700, 20.2955
Hunter-Lab	94.8724, -24.7896, 56.2454

Details

The CIELCh color **96, 89.384, 103.313** 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 **37, 117.466, 304.158**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 68.311, 104.953**, and **76, 79.241, 104.446** is the 20% darker color. If you saturate the color by 10%, you get **96, 93.885, 102.989**, and if you desaturate by 10%, it is **96, 82.289, 103.838**.

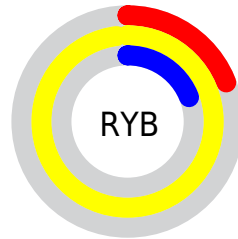
Distribution



Red (98%)

Green (98%)

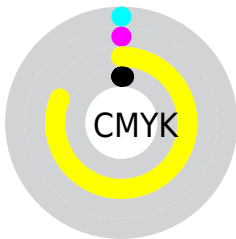
Blue (19%)



Red (19%)

Yellow (98%)

Blue (19%)

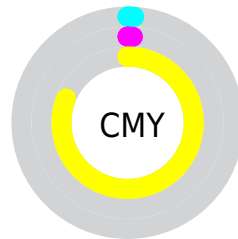


Cyan (0%)

Magenta (0%)

Yellow (81%)

Black (1%)



Cyan (1%)


Magenta (1%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 89.384, 103.313 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, 89.384, 103.313 by changing the saturation by 10% instead.


 96, 89.384,
103.313


 96, 89.384,
103.313


 100, 89.384,
103.313


 86, 89.384,
103.313

 76, 89.384,
103.313

 66, 89.384,
103.313

 56, 89.384,
103.313

 46, 89.384,
103.313

 36, 89.384,
103.313

 26, 89.384,

103.313

■ 16, 89.384,
103.313

■ 6, 89.384, 103.313

■ 96, 89.384,
103.313

■ 96, 89.384,
103.313

■ 96, 93.885,
102.989

■ 96, 82.289,
103.838

■ 96, 95.857,
102.847

■ 96, 73.126,
104.526

■ 97, 62.510,
105.337

■ 97, 50.951,
106.233

97, 38.811,
107.181

98, 26.327,
108.154

98, 13.655,
109.131

99, 0.893, 110.022

99, 1.857, 290.338

Harmonies

Complementary

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



96, 89.384, 103.313



37, 117.466, 304.158

Rectangle

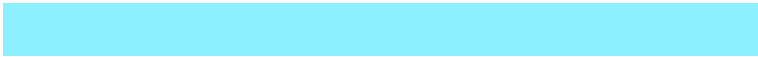
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 89.384, 103.313



96, 89.384, 153.313



96, 89.384, 283.313



96, 89.384, 333.313

Sweetspot

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



96, 89.384, 103.315



99, 30.821, 107.830



55, 88.077, 33.549



53, 21.129, 107.483



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, 89.384, 103.315



97, 96.386, 102.884



90, 98.095, 125.984



52, 7.216, 109.249



74, 77.274, 102.847



25, 34.377, 103.070

Inverse Universe

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



37, 117.466, 304.158



33, 132.516, 306.106



46, 111.570, 312.145



48, 7.380, 291.168



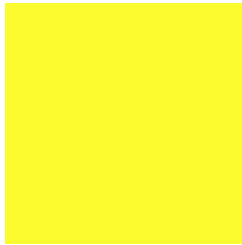
23, 106.705, 306.286



3, 42.023, 300.805

Previews

White Background



This preview shows how the CIELCh color 96, 89.384, 103.313 looks on a white background.

Color Contrast Check

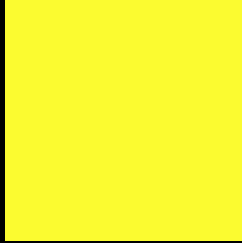
Large Text (above 18pt) WCAG AA × Fail

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, 89.384, 103.313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

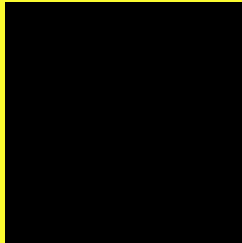
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 89.384, 103.313

Background



This preview shows how black text looks on a background with the CIELCh color 96, 89.384, 103.313.



This preview shows how white text looks on a background with the CIELCh color 96, 89.384, 103.313.

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](#).

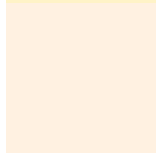
Dichromacy




Original Color
96, 89.384, 103.313



Protanopia
96, 22.869, 96.931

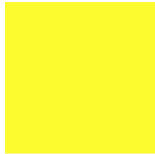


Deuteranopia
96, 9.631, 77.413



Tritanopia
96, 7.326, 340.860

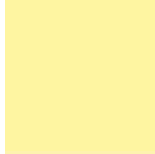
Trichromacy



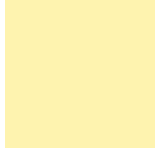
Original Color
96, 89.384, 103.313



Protanomaly
96, 51.071, 102.559



Deuteranomaly
96, 42.477, 102.031

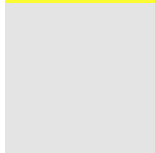


Tritanomaly
95, 34.750, 100.350

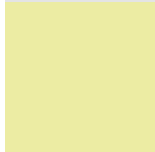
Monochromacy



Original Color
96, 89.384, 103.313



Achromatopsia
91, 0.011, 296.813



Achromatomaly
92, 37.144, 107.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 89.384, 103.313 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(251, 251, 48)` looks like.

```
.text, #text, p{  
    color:rgb(251, 251, 48)  
}
```

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(251, 251, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 251, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 89.384, 103.313 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(251, 251, 48) }
```

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

```
.border{ border-color:rgb(251, 251, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 251, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 251, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 251, 48);  
box-shadow:4px 4px 4px 4px rgb(251, 251,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 89.384, 103.313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 251, 48) }
```

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

```
.background{ background-color: rgb(251,  
251, 48) }
```

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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