

Converting Colors

CIELCh(96, 90.087, 101.873)

Have a look what the booklet for
CIELCh(96, 90.087, 101.873)
contains.

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Color

CIELCh(96, 89.983, 101.911)

Conversions

Conversions Part 1

Format	Color
Hex	FFFA2C
RGB	255, 250, 44
RGB Percent	100%, 98%, 17%
CMY	0.0000, 0.0187, 0.8261
CMYK	0.00, 0.02, 0.83, 0.00
HSL	59°, 100%, 59%
HSV	59°, 83%, 100%
XYZ	76.0513, 90.0078, 15.7818
YIQ	228.0110, 69.1060, -63.0060

Conversions

Conversions Part 2

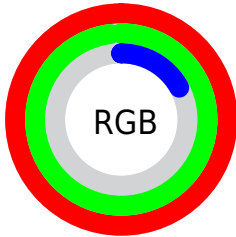
Format	Color
R_{YB}	49, 255, 44
Decimal	16775724
CIE _{Lab}	96.00, -18.57, 88.05
CIE _{LCh}	96, 89.983, 101.911
Yxy	90.0078, 0.4182, 0.4950
Android (android.graphics.Color)	4294965804 (0xFFFFFA2C)
YUV	228.0110, -90.7174, 23.6694
Hunter-Lab	94.8724, -22.9382, 56.5480

Details

The CIELCh color **96, 89.983, 101.911** 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, 119.042, 304.004**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 69.574, 104.857**, and **76, 78.891, 102.852** is the 20% darker color. If you saturate the color by 10%, you get **96, 93.919, 101.583**, and if you desaturate by 10%, it is **96, 83.337, 102.553**.

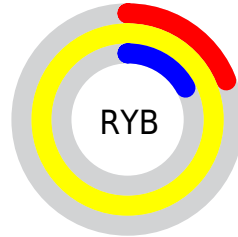
Distribution



Red (100%)

Green (98%)

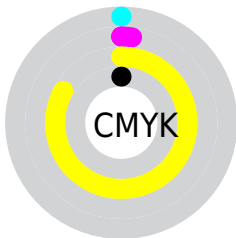
Blue (17%)



Red (19%)

Yellow (100%)

Blue (17%)

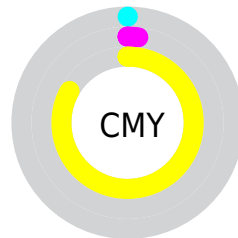


Cyan (0%)

Magenta (2%)

Yellow (83%)

Black (0%)



Cyan (0%)

Magenta (2%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 89.983, 101.911 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, 89.983, 101.911 by changing the saturation by 10% instead.

■ 96, 89.983,
101.911

■ 96, 89.983,
101.911

■ 100, 89.983,
101.911

■ 86, 89.983,
101.911

■ 76, 89.983,
101.911

■ 66, 89.983,
101.911

■ 56, 89.983,
101.911

■ 46, 89.983,
101.911

■ 36, 89.983,
101.911

■ 26, 89.983,

101.911

■ 16, 89.983,
101.911

■ 6, 89.983, 101.911

■ 96, 89.983,
101.911

■ 96, 89.983,
101.911

■ 96, 93.919,
101.583

■ 96, 83.337,
102.553

■ 96, 95.269,
101.387

■ 97, 74.504,
103.280

■ 97, 64.128,
104.123

■ 97, 52.754,
105.046

■ 98, 40.770,
106.018

■ 98, 28.432,
107.015

■ 99, 15.902,
108.014

■ 100, 3.283,
108.985

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, 89.983, 101.911



38, 119.042, 304.004

Rectangle

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



96, 89.983, 101.911



96, 89.983, 151.911



96, 89.983, 281.911



96, 89.983, 331.911

Sweetspot

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



96, 89.980, 101.980



98, 31.408, 106.775



55, 90.141, 33.329



52, 21.386, 106.425



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, 89.980, 101.980



96, 95.105, 101.412



91, 100.070, 125.493



53, 7.175, 108.322



74, 76.756, 101.412



25, 34.903, 101.750

Inverse Universe

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



38, 119.042, 304.004



33, 132.511, 306.047



45, 114.926, 311.726



49, 7.330, 290.279



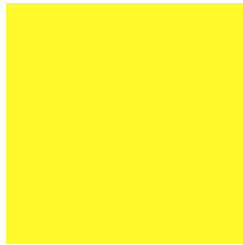
23, 106.761, 306.027



4, 43.411, 301.387

Previews

White Background



This preview shows how the CIELCh color 96, 89.983, 101.911 looks on a white background.

Color Contrast Check

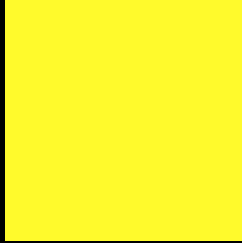
Large Text (above 18pt) WCAG AA × Fail

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, 89.983, 101.911 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, 89.983, 101.911

Background



This preview shows how black text looks on a background with the CIELCh color 96, 89.983, 101.911.



This preview shows how white text looks on a background with the CIELCh color 96, 89.983, 101.911.

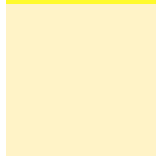
Color Blindness Simulation

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](#).

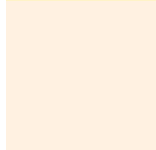
Dichromacy



Original Color
96, 89.983, 101.911



Protanopia
96, 22.869, 96.931



Deuteranopia
96, 9.631, 77.413



Tritanopia
96, 7.016, 344.104

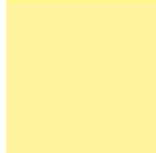
Trichromacy



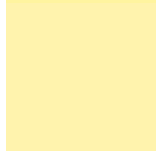
Original Color
96, 89.983, 101.911



Protanomaly
96, 51.574, 102.103



Deuteranomaly
95, 43.072, 100.970



Tritanomaly
95, 35.792, 99.827

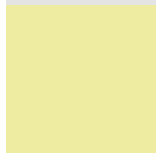
Monochromacy



Original Color
96, 89.983, 101.911



Achromatopsia
91, 0.011, 296.813



Achromatomaly
92, 38.144, 105.905

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 89.983, 101.911 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, 250, 44)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 44)  
}
```

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, 250, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 89.983, 101.911 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, 250, 44) }
```

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

```
.border{ border-color:rgb(255, 250, 44) }
```

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

Here you see how a box with a 4 pixel rgb(255, 250, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 44);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 89.983, 101.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 44) }
```

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

```
.background{ background-color: rgb(255,  
250, 44) }
```

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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