

Converting Colors

CIELCh(96, 87.946, 101.635)

Have a look what the booklet for
CIELCh(96, 87.946, 101.635)
contains.

CIELCh(96, 87.873, 102.036)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(96, 87.873, 102.036)

Conversions

Conversions Part 1

Format	Color
Hex	FFFA35
RGB	255, 250, 53
RGB Percent	100%, 98%, 21%
CMY	0.0000, 0.0190, 0.7914
CMYK	0.00, 0.02, 0.79, 0.00
HSL	59°, 100%, 60%
HSV	59°, 79%, 100%
XYZ	76.1733, 90.0078, 16.7492
YIQ	229.0370, 66.2170, -60.2070

Conversions

Conversions Part 2

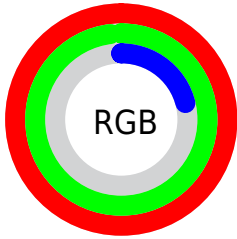
Format	Color
R_{YB}	58, 255, 53
Decimal	16775733
CIE _{Lab}	96.00, -18.32, 85.94
CIE _{LCh}	96, 87.873, 102.036
Yxy	90.0078, 0.4164, 0.4920
Android (android.graphics.Color)	4294965813 (0xFFFFFA35)
YUV	229.0370, -86.7862, 22.7696
Hunter-Lab	94.8724, -22.7087, 55.9434

Details

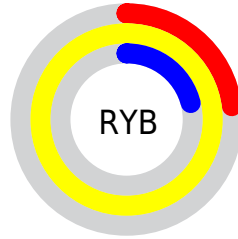
The CIELCh color **96, 87.873, 102.036** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **40, 114.443, 303.291**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 67.032, 105.049**, and **76, 78.891, 102.852** is the 20% darker color. If you saturate the color by 10%, you get **96, 92.778, 101.615**, and if you desaturate by 10%, it is **96, 80.400, 102.715**.

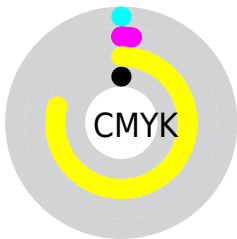
Distribution



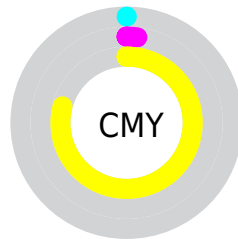
- Red (100%)
- Green (98%)
- Blue (21%)



- Red (23%)
- Yellow (100%)
- Blue (21%)



- Cyan (0%)
- Magenta (2%)
- Yellow (79%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 87.873, 102.036 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, 87.873, 102.036 by changing the saturation by 10% instead.


 96, 87.873,
102.036


 96, 87.873,
102.036


 100, 87.873,
102.036


 86, 87.873,
102.036

 76, 87.873,
102.036

 66, 87.873,
102.036

 56, 87.873,
102.036

 46, 87.873,
102.036

 36, 87.873,
102.036

 26, 87.873,

102.036

■ 16, 87.873,
102.036

■ 6, 87.873, 102.036

■ 96, 87.873,
102.036

■ 96, 87.873,
102.036

■ 96, 92.778,
101.615

■ 96, 80.400,
102.715

■ 96, 95.027,
101.314

■ 97, 70.967,
103.490

■ 96, 95.167,
101.291

■ 97, 60.200,
104.368

■ 97, 48.590,
105.314

■ 98, 36.473,
106.299

■ 99, 24.069,
107.300

■ 99, 11.516,
108.298

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, 87.873, 102.036



40, 114.443, 303.291

Rectangle

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



96, 87.873, 102.036



96, 87.873, 152.036



96, 87.873, 282.036



96, 87.873, 332.036

Sweetspot

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



96, 87.871, 102.080



98, 30.125, 106.813



56, 86.582, 31.950



52, 20.657, 106.456



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, 87.871, 102.080



96, 94.347, 101.423



91, 97.532, 125.321



53, 7.164, 108.262



74, 76.675, 101.319



25, 34.864, 101.669

Inverse Universe

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



40, 114.443, 303.291



33, 130.486, 305.741



47, 111.467, 311.733



49, 7.319, 290.221



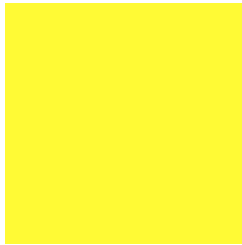
23, 106.697, 306.010



4, 43.365, 301.363

Previews

White Background



This preview shows how the CIELCh color 96, 87.873, 102.036 looks on a white background.

Color Contrast Check

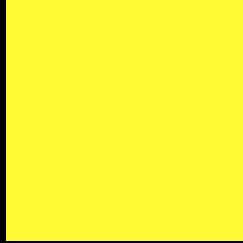
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 96, 87.873, 102.036 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, 87.873, 102.036

Background



This preview shows how black text looks on a background with the CIELCh color 96, 87.873, 102.036.

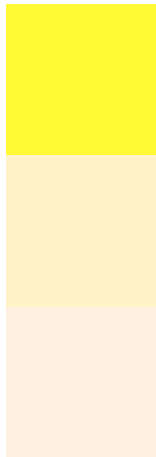


This preview shows how white text looks on a background with the CIELCh color 96, 87.873, 102.036.

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, 87.873, 102.036

Protanopia
96, 22.869, 96.931

Deuteranopia
96, 9.631, 77.413



Tritanopia
96, 7.016, 344.104

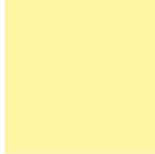
Trichromacy



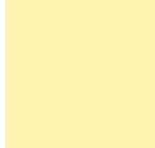
Original Color
96, 87.873, 102.036



Protanomaly
96, 50.153, 102.112



Deuteranomaly
95, 41.122, 100.874

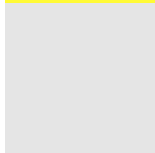


Tritanomaly
95, 33.814, 99.578

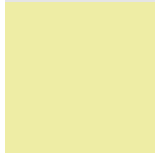
Monochromacy



Original Color
96, 87.873, 102.036



Achromatopsia
91, 0.011, 296.813



Achromatomaly
92, 36.622, 106.611

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 87.873, 102.036 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, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 87.873, 102.036 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, 53) }
```

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

```
.border{ border-color:rgb(255, 250, 53) }
```

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, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 87.873, 102.036 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, 53) }
```

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

```
.background{ background-color: rgb(255,  
250, 53) }
```

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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