

Converting Colors

CIELCh(96, 86.716, 102.111)

Have a look what the booklet for
CIELCh(96, 86.716, 102.111)
contains.

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Color

CIELCh(96, 86.558, 102.113)

Conversions

Conversions Part 1

Format	Color
Hex	FFFA3A
RGB	255, 250, 58
RGB Percent	100%, 98%, 23%
CMY	0.0000, 0.0192, 0.7721
CMYK	0.00, 0.02, 0.77, 0.00
HSL	59°, 100%, 61%
HSV	59°, 77%, 100%
XYZ	76.2523, 90.0078, 17.3712
YIQ	229.6070, 64.6120, -58.6520

Conversions

Conversions Part 2

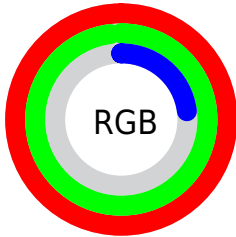
Format	Color
RYB	63, 255, 58
Decimal	16775738
CIELab	96.00, -18.16, 84.63
CIELCh	96, 86.558, 102.113
Yxy	90.0078, 0.4152, 0.4902
Android (android.graphics.Color)	4294965818 (0xFFFFFA3A)
YUV	229.6070, -84.6023, 22.2697
Hunter-Lab	94.8724, -22.5601, 55.5547

Details

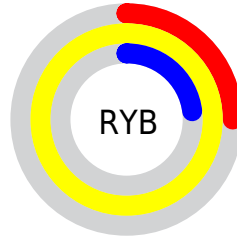
The CIELCh color **96, 86.558, 102.113** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **41, 111.709, 302.864**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 65.303, 105.181**, and **76, 78.891, 102.852** is the 20% darker color. If you saturate the color by 10%, you get **96, 91.992, 101.637**, and if you desaturate by 10%, it is **96, 78.658, 102.809**.

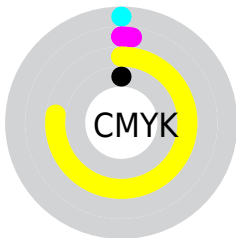
Distribution



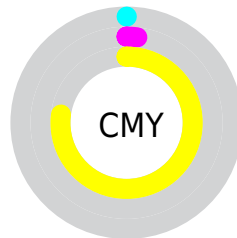
- Red (100%)
- Green (98%)
- Blue (23%)



- Red (25%)
- Yellow (100%)
- Blue (23%)



- Cyan (0%)
- Magenta (2%)
- Yellow (77%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 86.558, 102.113 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, 86.558, 102.113 by changing the saturation by 10% instead.


 96, 86.558,
102.113


 96, 86.558,
102.113


 100, 86.558,
102.113


 86, 86.558,
102.113

 76, 86.558,
102.113

 66, 86.558,
102.113

 56, 86.558,
102.113

 46, 86.558,
102.113

 36, 86.558,
102.113

 26, 86.558,

102.113

■ 16, 86.558,
102.113

■ 6, 86.558, 102.113

■ 96, 86.558,
102.113

■ 96, 86.558,
102.113

■ 96, 91.992,
101.637

■ 96, 78.658,
102.809

■ 96, 94.653,
101.306

■ 97, 68.927,
103.609

■ 95, 95.103,
101.232

■ 97, 57.970,
104.504

■ 98, 46.247,
105.461

■ 98, 34.070,
106.452

■ 99, 21.638,
107.455

■ 99, 9.078, 108.450

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, 86.558, 102.113



41, 111.709, 302.864

Rectangle

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



96, 86.558, 102.113



96, 86.558, 152.113



96, 86.558, 282.113



96, 86.558, 332.113

Sweetspot

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



96, 86.557, 102.141



98, 28.858, 106.874



57, 84.531, 31.196



52, 19.938, 106.512



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, 86.557, 102.141



96, 93.858, 101.426



92, 95.992, 125.250



53, 7.158, 108.224



74, 76.624, 101.260



25, 34.839, 101.619

Inverse Universe

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



41, 111.709, 302.864



34, 129.113, 305.526



48, 109.385, 311.718



49, 7.312, 290.184



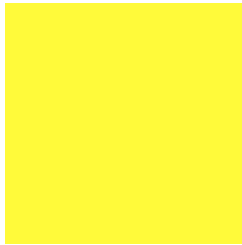
23, 106.657, 306.000



4, 43.337, 301.348

Previews

White Background



This preview shows how the CIELCh color 96, 86.558, 102.113 looks on a white background.

Color Contrast Check

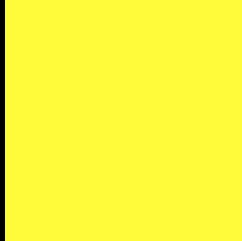
Large Text (above 18pt) WCAG AA × Fail

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, 86.558, 102.113 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, 86.558, 102.113

Background



This preview shows how black text looks on a background with the CIELCh color 96, 86.558, 102.113.



This preview shows how white text looks on a background with the CIELCh color 96, 86.558, 102.113.

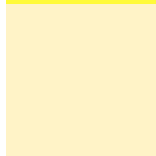
Color Blindness Simulation

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](#).

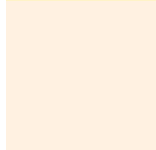
Dichromacy




Original Color
96, 86.558, 102.113



Protanopia
96, 22.869, 96.931

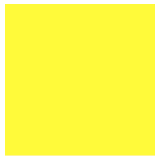


Deuteranopia
96, 9.631, 77.413

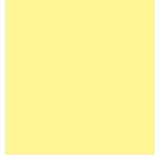


Tritanopia
96, 7.016, 344.104

Trichromacy



Original Color
96, 86.558, 102.113



Protanomaly
96, 49.201, 102.115



Deuteranomaly
95, 40.633, 100.846

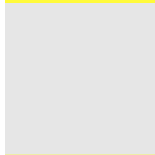


Tritanomaly
95, 33.318, 99.509

Monochromacy



Original Color
96, 86.558, 102.113



Achromatopsia
91, 0.011, 296.813



Achromatomaly
92, 35.633, 106.045

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 86.558, 102.113 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, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 58)  
}
```

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, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 86.558, 102.113 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, 58) }
```

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

```
.border{ border-color:rgb(255, 250, 58) }
```

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, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 86.558, 102.113 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, 58) }
```

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

```
.background{ background-color: rgb(255,  
250, 58) }
```

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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