

Converting Colors

CIELCh(96, 90.303, 105.985)

Have a look what the booklet for
CIELCh(96, 90.303, 105.985)
contains.

CIELCh(96, 90.467, 105.942)	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, 90.467, 105.942)

Conversions

Conversions Part 1

Format	Color
Hex	F4FE2F
RGB	244, 254, 47
RGB Percent	96%, 100%, 18%
CMY	0.0447, 0.0054, 0.8138
CMYK	0.04, 0.00, 0.81, 0.01
HSL	63°, 99%, 59%
HSV	63°, 81%, 99%
XYZ	73.0080, 90.0078, 16.2634
YIQ	227.4120, 60.4870, -66.4970

Conversions

Conversions Part 2

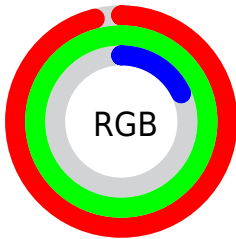
Format	Color
RYB	47, 254, 57
Decimal	16055855
CIELab	96.00, -24.85, 86.99
CIElCh	96, 90.467, 105.942
Yxy	90.0078, 0.4072, 0.5021
Android (android.graphics.Color)	4294245935 (0xFFFF4FE2F)
YUV	227.4120, -88.9431, 14.5477
Hunter-Lab	94.8724, -28.6641, 56.2470

Details

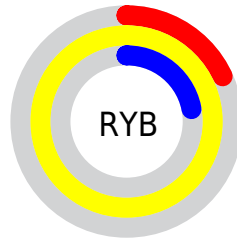
The CIELCh color **96, 90.467, 105.942** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **38, 118.620, 304.680**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 68.311, 104.953**, and **76, 80.445, 107.526** is the 20% darker color. If you saturate the color by 10%, you get **96, 94.868, 105.826**, and if you desaturate by 10%, it is **96, 83.436, 106.310**.

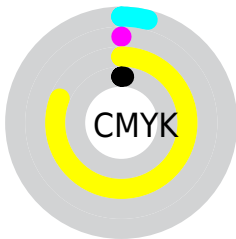
Distribution



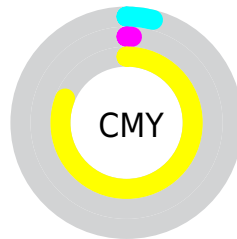
- Red (96%)
- Green (100%)
- Blue (18%)



- Red (18%)
- Yellow (100%)
- Blue (22%)



- Cyan (4%)
- Magenta (0%)
- Yellow (81%)
- Black (1%)





- Cyan (4%)
- Magenta (1%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 90.467, 105.942 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, 90.467, 105.942 by changing the saturation by 10% instead.


 96, 90.467,
105.942


 96, 90.467,
105.942


 100, 90.467,
105.942


 86, 90.467,
105.942

 76, 90.467,
105.942

 66, 90.467,
105.942

 56, 90.467,
105.942

 46, 90.467,
105.942

 36, 90.467,
105.942

 26, 90.467,

105.942

■ 16, 90.467,
105.942

■ 6, 90.467, 105.942

■ 96, 90.467,
105.942

■ 96, 90.467,
105.942

■ 96, 94.868,
105.826

■ 96, 83.436,
106.310

■ 96, 96.699,
105.913

■ 96, 74.293,
106.880

■ 97, 63.660,
107.596

■ 97, 52.054,
108.409

■ 98, 39.845,
109.280

■ 98, 27.277,
110.178

■ 99, 14.509,
111.082

■ 99, 1.643, 111.947

■ 100, 0.810,
317.935

Harmonies

Complementary

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



96, 90.467, 105.942



38, 118.620, 304.680

Rectangle

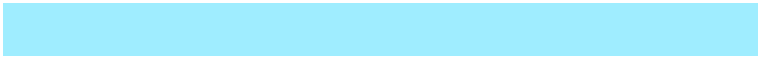
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 90.467, 105.942



96, 90.467, 155.942



96, 90.467, 285.942



96, 90.467, 335.942

Sweetspot

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



96, 90.467, 105.944



98, 30.851, 109.932



56, 89.138, 35.663



52, 21.149, 109.611



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, 90.467, 105.944



96, 96.743, 105.888



90, 100.713, 127.704



53, 7.345, 111.241



74, 78.202, 105.862



26, 35.553, 105.686

Inverse Universe

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



38, 118.620, 304.680



33, 132.722, 306.274



48, 112.237, 313.413



49, 7.511, 293.005



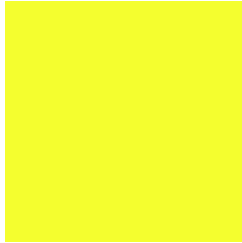
23, 107.538, 306.425



3, 44.245, 302.737

Previews

White Background



This preview shows how the CIELCh color 96, 90.467, 105.942 looks on a white background.

Color Contrast Check

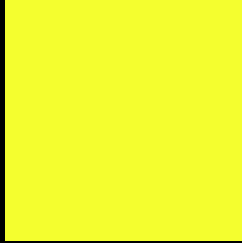
Large Text (above 18pt) WCAG AA × Fail

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, 90.467, 105.942 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, 90.467, 105.942

Background



This preview shows how black text looks on a background with the CIELCh color 96, 90.467, 105.942.



This preview shows how white text looks on a background with the CIELCh color 96, 90.467, 105.942.

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, 90.694, 105.920

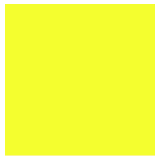
Protanopia
96, 23.367, 97.124

Deuteranopia
96, 9.631, 77.413



Tritanopia
96, 8.376, 332.702

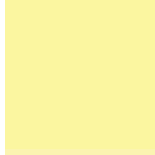
Trichromacy



Original Color
96, 90.694, 105.920



Protanomaly
96, 51.902, 104.337

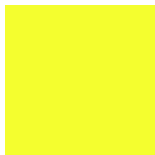


Deuteranomaly
96, 43.314, 104.163

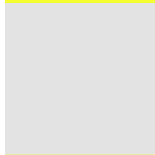


Tritanomaly
95, 34.065, 102.920

Monochromacy



Original Color
96, 90.694, 105.920



Achromatopsia
90, 0.011, 296.813



Achromatomaly
92, 38.149, 109.464

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 90.467, 105.942 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(244, 254, 47)` looks like.

```
.text, #text, p{  
    color:rgb(244, 254, 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(244, 254, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 254, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 90.467, 105.942 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(244, 254, 47) }
```

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

```
.border{ border-color:rgb(244, 254, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 254, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 254, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 254, 47);  
box-shadow:4px 4px 4px 4px rgb(244, 254,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 90.467, 105.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 254, 47) }
```

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

```
.background{ background-color: rgb(244,  
254, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor