

Converting Colors

CIELCh(96, 90.173, 106.864)

Have a look what the booklet for
CIELCh(96, 90.173, 106.864)
contains.

CIELCh(96, 90.078, 106.778)	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, 90.078, 106.778)

Conversions

Conversions Part 1

Format	Color
Hex	F1FE32
RGB	241, 254, 50
RGB Percent	95%, 100%, 20%
CMY	0.0539, 0.0030, 0.8026
CMYK	0.05, 0.00, 0.80, 0.00
HSL	64°, 99%, 60%
HSV	64°, 80%, 100%
XYZ	72.4573, 90.0078, 16.6079
YIQ	226.8570, 57.7360, -66.2000

Conversions

Conversions Part 2

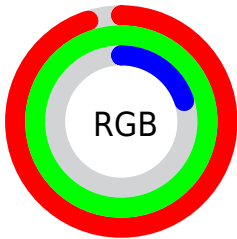
Format	Color
R _Y B	50, 254, 63
Decimal	15859250
CIE Lab	96.00, -26.00, 86.24
CIE LCh	96, 90.078, 106.778
Yxy	90.0078, 0.4046, 0.5026
Android (android.graphics.Color)	4294049330 (0xFF1FE32)
YUV	226.8570, -87.1905, 12.4034
Hunter-Lab	94.8724, -29.7003, 56.0317

Details

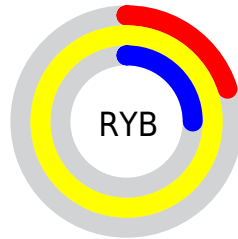
The CIELCh color **96, 90.078, 106.778** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **39, 117.374, 304.666**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 67.886, 104.985**, and **76, 80.536, 108.139** is the 20% darker color. If you saturate the color by 10%, you get **96, 94.804, 106.692**, and if you desaturate by 10%, it is **96, 82.760, 107.128**.

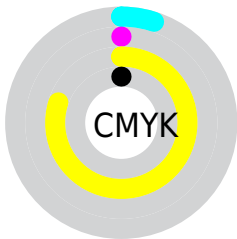
Distribution



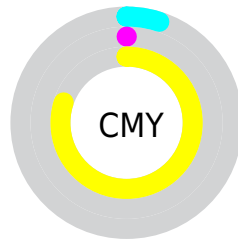
- Red (95%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (25%)



- Cyan (5%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 90.078, 106.778 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, 90.078, 106.778 by changing the saturation by 10% instead.


 96, 90.078,
106.778


 96, 90.078,
106.778


 100, 90.078,
106.778


 86, 90.078,
106.778

 76, 90.078,
106.778

 66, 90.078,
106.778


 56, 90.078,
106.778

 46, 90.078,
106.778


 36, 90.078,
106.778


 26, 90.078,


106.778


 16, 90.078,
106.778


 6, 90.078, 106.778

 96, 90.078,
106.778


 96, 90.078,
106.778


 96, 94.804,
106.692

 96, 82.760,
107.128

 96, 96.998,
106.851

 97, 73.398,
107.684

 97, 62.607,
108.386

 97, 50.890,
109.184

■ 98, 38.600,
110.036

■ 98, 25.972,
110.914

■ 99, 13.157,
111.794

100, 0.253,
112.478

100, 0.482,
323.817

Harmonies

Complementary

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



96, 90.078, 106.778



39, 117.374, 304.666

Rectangle

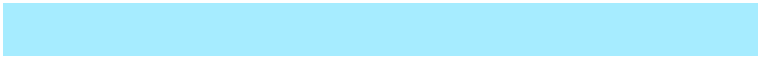
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 90.078, 106.778



96, 90.078, 156.778



96, 90.078, 286.778



96, 90.078, 336.778

Sweetspot

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



96, 90.078, 106.780



98, 30.869, 110.579



57, 87.549, 35.866



52, 21.161, 110.266



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, 90.078, 106.780



96, 96.503, 106.768



90, 100.590, 128.189



53, 7.349, 111.855



74, 78.296, 106.784



26, 35.579, 106.513

Inverse Universe

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



39, 117.374, 304.666



33, 131.723, 306.234



49, 111.231, 313.870



49, 7.515, 293.572



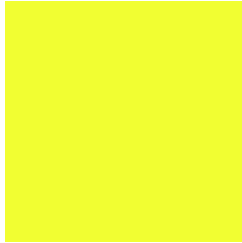
23, 107.461, 306.469



4, 44.279, 303.030

Previews

White Background



This preview shows how the CIELCh color 96, 90.078, 106.778 looks on a white background.

Color Contrast Check

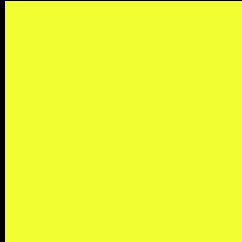
Large Text (above 18pt) WCAG AA × Fail

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, 90.078, 106.778 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, 90.078, 106.778

Background



This preview shows how black text looks on a background with the CIELCh color 96, 90.078, 106.778.



This preview shows how white text looks on a background with the CIELCh color 96, 90.078, 106.778.

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](#).

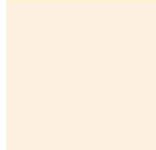
Dichromacy




Original Color
96, 90.078, 106.778



Protanopia
96, 23.367, 97.124

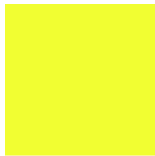


Deuteranopia
96, 9.631, 77.413

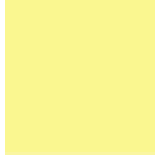


Tritanopia
96, 9.381, 330.090

Trichromacy



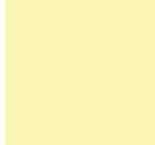
Original Color
96, 90.078, 106.778



Protanomaly
96, 51.417, 104.807



Deuteranomaly
96, 42.809, 104.704



Tritanomaly
95, 33.040, 103.545

Monochromacy



Original Color
96, 90.078, 106.778



Achromatopsia
90, 0.011, 296.813



Achromatomaly
92, 37.675, 110.127

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 90.078, 106.778 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(241, 254, 50)` looks like.

```
.text, #text, p{  
    color:rgb(241, 254, 50)  
}
```

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(241, 254, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 254, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 90.078, 106.778 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(241, 254, 50) }
```

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

```
.border{ border-color:rgb(241, 254, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 254, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 254, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 254, 50);  
box-shadow:4px 4px 4px 4px rgb(241, 254,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 90.078, 106.778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 254, 50) }
```

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

```
.background{ background-color: rgb(241,  
254, 50) }
```

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