

Converting Colors

CIELCh(96, 90.450, 108.708)

Have a look what the booklet for
CIELCh(96, 90.450, 108.708)
contains.

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Color

CIELCh(96, 90.174, 108.637)

Conversions

Conversions Part 1

Format	Color
Hex	ECFF35
RGB	236, 255, 53
RGB Percent	93%, 100%, 21%
CMY	0.0756, 0.0000, 0.7924
CMYK	0.08, 0.00, 0.79, 0.00
HSL	66°, 100%, 60%
HSV	66°, 79%, 100%
XYZ	71.1260, 90.0078, 16.9828
YIQ	226.2910, 53.5180, -66.8500

Conversions

Conversions Part 2

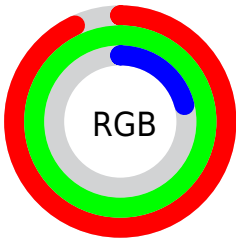
Format	Color
R _Y B	53, 255, 72
Decimal	15531829
CIE Lab	96.00, -28.82, 85.45
CIE LCh	96, 90.174, 108.637
Yxy	90.0078, 0.3993, 0.5053
Android (android.graphics.Color)	4293721909 (0xFFE0FF35)
YUV	226.2910, -85.4325, 8.5148
Hunter-Lab	94.8724, -32.2051, 55.7974

Details

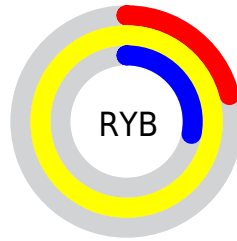
The CIELCh color **96, 90.174, 108.637** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **40, 116.127, 304.881**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 67.032, 105.049**, and **76, 80.806, 109.653** is the 20% darker color. If you saturate the color by 10%, you get **96, 94.970, 108.474**, and if you desaturate by 10%, it is **96, 82.312, 108.762**.

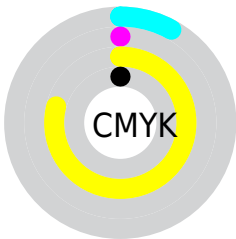
Distribution



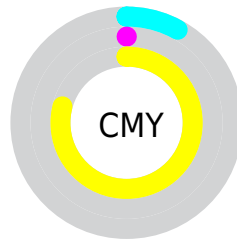
- Red (93%)
- Green (100%)
- Blue (21%)



- Red (21%)
- Yellow (100%)
- Blue (28%)



- Cyan (8%)
- Magenta (0%)
- Yellow (79%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 90.174, 108.637 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, 90.174, 108.637 by changing the saturation by 10% instead.


 96, 90.174,
108.637


 96, 90.174,
108.637


 100, 90.174,
108.637


 86, 90.174,
108.637

 76, 90.174,
108.637

 66, 90.174,
108.637

 56, 90.174,
108.637

 46, 90.174,
108.637

 36, 90.174,
108.637

 26, 90.174,

108.637

■ 16, 90.174,
108.637

■ 6, 90.174, 108.637

■ 96, 90.174,
108.637

■ 96, 90.174,
108.637

■ 96, 94.970,
108.474

■ 96, 82.312,
108.762

■ 95, 97.426,
108.770

■ 96, 72.728,
109.269

■ 95, 97.567,
108.797

■ 97, 61.774,
109.929

■ 97, 49.935,
110.686

■ 98, 37.552,
111.496

■ 99, 24.848,
112.330

■ 99, 11.968,
113.163

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, 90.174, 108.637



40, 116.127, 304.881

Rectangle

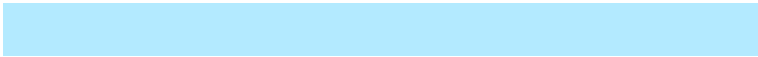
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 90.174, 108.637



96, 90.174, 158.637



96, 90.174, 288.637



96, 90.174, 338.637

Sweetspot

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



96, 89.916, 108.476



98, 30.919, 111.932



58, 85.417, 36.826



52, 21.196, 111.635



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, 89.916, 108.476



95, 96.627, 108.616



90, 101.062, 129.175



53, 7.360, 113.142



74, 78.568, 108.698



25, 35.662, 108.234

Inverse Universe

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



40, 116.127, 304.881



34, 130.947, 306.343



50, 110.199, 314.792



49, 7.525, 294.762



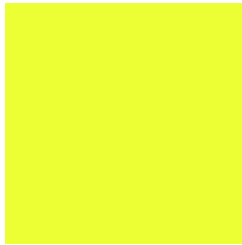
23, 107.258, 306.587



4, 44.349, 303.630

Previews

White Background



This preview shows how the CIELCh color 96, 90.174, 108.637 looks on a white background.

Color Contrast Check

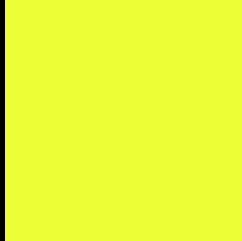
Large Text (above 18pt) WCAG AA × Fail

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, 90.174, 108.637 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, 90.174, 108.637

Background



This preview shows how black text looks on a background with the CIELCh color 96, 90.174, 108.637.

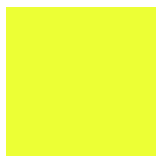


This preview shows how white text looks on a background with the CIELCh color 96, 90.174, 108.637.

Color Blindness Simulation

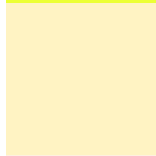
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



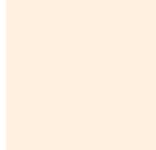
Original Color

96, 89.887, 108.408



Protanopia

96, 24.862, 97.646



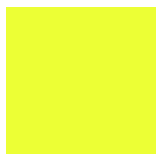
Deuteranopia

96, 10.275, 77.102

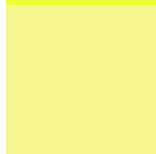


Tritanopia
96, 10.225, 321.507

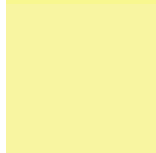
Trichromacy



Original Color
96, 89.887, 108.408



Protanomaly
95, 51.875, 105.668

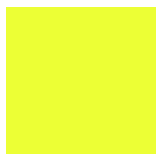


Deuteranomaly
95, 42.336, 105.242

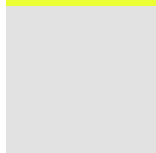


Tritanomaly
95, 31.481, 105.596

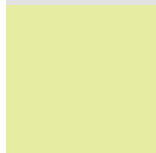
Monochromacy



Original Color
96, 89.887, 108.408



Achromatopsia
90, 0.011, 296.813



Achromatomaly
92, 37.729, 111.310

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 90.174, 108.637 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(236, 255, 53)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 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(236, 255, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 90.174, 108.637 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(236, 255, 53) }
```

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

```
.border{ border-color:rgb(236, 255, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 255, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 53);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 90.174, 108.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 53) }
```

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

```
.background{ background-color: rgb(236,  
255, 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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