

Converting Colors

CIELCh(96, 90.382, 108.399)

Have a look what the booklet for
CIELCh(96, 90.382, 108.399)
contains.

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Color

CIELCh(96, 90.132, 108.377)

Conversions

Conversions Part 1

Format	Color
Hex	EDFF35
RGB	237, 255, 53
RGB Percent	93%, 100%, 21%
CMY	0.0725, 0.0000, 0.7935
CMYK	0.07, 0.00, 0.79, 0.00
HSL	65°, 100%, 60%
HSV	65°, 79%, 100%
XYZ	71.3148, 90.0078, 16.9402
YIQ	226.5900, 54.1140, -66.6380

Conversions

Conversions Part 2

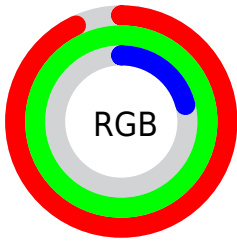
Format	Color
R _{YB}	53, 255, 71
Decimal	15597365
CIE _{Lab}	96.00, -28.42, 85.54
CIE _{LCh}	96, 90.132, 108.377
Yxy	90.0078, 0.4001, 0.5049
Android (android.graphics.Color)	4293787445 (0xFFEDFF35)
YUV	226.5900, -85.5799, 9.1296
Hunter-Lab	94.8724, -31.8499, 55.8240

Details

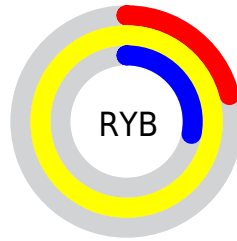
The CIELCh color **96, 90.132, 108.377** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **40, 116.303, 304.848**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 67.032, 105.049**, and **76, 80.747, 109.352** is the 20% darker color. If you saturate the color by 10%, you get **96, 94.968, 108.251**, and if you desaturate by 10%, it is **96, 82.378, 108.557**.

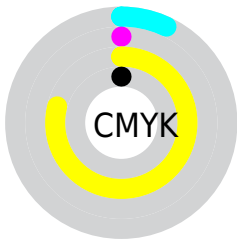
Distribution



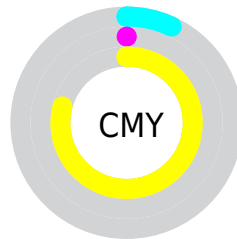
- Red (93%)
- Green (100%)
- Blue (21%)



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



- Cyan (7%)
- Magenta (0%)
- Yellow (79%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 90.132, 108.377 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, 90.132, 108.377 by changing the saturation by 10% instead.


 96, 90.132,
108.377


 96, 90.132,
108.377


 100, 90.132,
108.377


 86, 90.132,
108.377

 76, 90.132,
108.377

 66, 90.132,
108.377

 56, 90.132,
108.377

 46, 90.132,
108.377

 36, 90.132,
108.377

 26, 90.132,

108.377

■ 16, 90.132,
108.377

■ 6, 90.132, 108.377

■ 96, 90.132,
108.377

■ 96, 90.132,
108.377

■ 96, 94.968,
108.251

■ 96, 82.378,
108.557

■ 95, 97.395,
108.530

■ 97, 72.818,
109.071

■ 95, 97.516,
108.552

■ 97, 61.880,
109.736

■ 97, 50.052,
110.498

■ 98, 37.677,
111.313

■ 99, 24.978,
112.152

■ 99, 12.103,
112.992

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, 90.132, 108.377



40, 116.303, 304.848

Rectangle

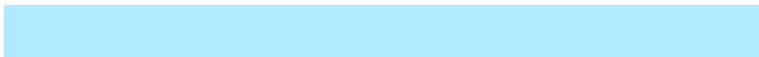
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 90.132, 108.377



96, 90.132, 158.377



96, 90.132, 288.377



96, 90.132, 338.377

Sweetspot

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



96, 89.951, 108.263



98, 30.912, 111.761



58, 85.539, 36.853



52, 21.191, 111.462



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, 89.951, 108.263



96, 96.580, 108.381



90, 101.148, 129.179



53, 7.359, 112.979



74, 78.528, 108.457



25, 35.650, 108.017

Inverse Universe

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



40, 116.303, 304.848



34, 130.988, 306.322



50, 110.300, 314.791



49, 7.524, 294.611



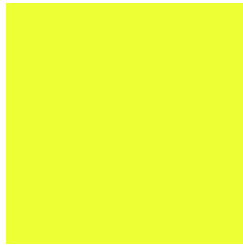
23, 107.287, 306.570



4, 44.341, 303.555

Previews

White Background



This preview shows how the CIELCh color 96, 90.132, 108.377 looks on a white background.

Color Contrast Check

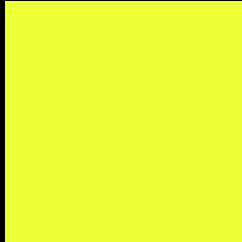
Large Text (above 18pt) WCAG AA × Fail

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, 90.132, 108.377 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, 90.132, 108.377

Background



This preview shows how black text looks on a background with the CIELCh color 96, 90.132, 108.377.

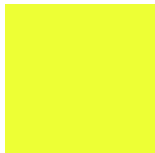


This preview shows how white text looks on a background with the CIELCh color 96, 90.132, 108.377.

Color Blindness Simulation

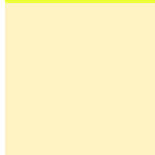
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



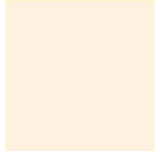
Original Color

96, 89.847, 108.147



Protanopia

96, 24.364, 97.480



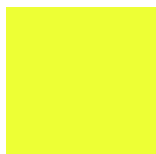
Deuteranopia

96, 10.520, 80.229

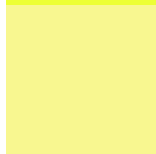


Tritanopia
96, 10.225, 321.507

Trichromacy



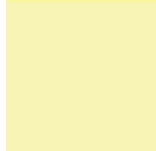
Original Color
96, 89.847, 108.147



Protanomaly
95, 51.402, 105.702

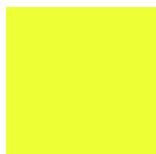


Deuteranomaly
95, 42.787, 105.762

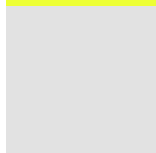


Tritanomaly
95, 31.981, 105.586

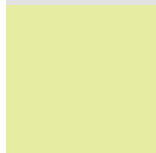
Monochromacy



Original Color
96, 89.847, 108.147



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, 90.132, 108.377 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(237, 255, 53)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 255, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 90.132, 108.377 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(237, 255, 53) }
```

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

```
.border{ border-color:rgb(237, 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(237, 255, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 53);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 90.132, 108.377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 53) }
```

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

```
.background{ background-color: rgb(237,  
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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