

Converting Colors

CIELCh(96, 78.910, 112.489)

Have a look what the booklet for
CIELCh(96, 78.910, 112.489)
contains.

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Color

CIELCh(96, 78.296, 112.039)

Conversions

Conversions Part 1

Format	Color
Hex	E6FF5C
RGB	230, 255, 92
RGB Percent	90%, 100%, 36%
CMY	0.0967, 0.0000, 0.6380
CMYK	0.10, 0.00, 0.64, 0.00
HSL	69°, 100%, 68%
HSV	69°, 64%, 100%
XYZ	70.8619, 90.0078, 23.8309
YIQ	228.9430, 37.4230, -55.9930

Conversions

Conversions Part 2

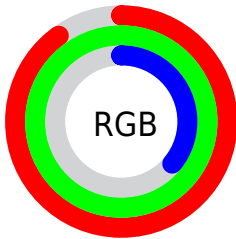
Format	Color
R _{YB}	92, 255, 117
Decimal	15138652
CIE Lab	96.00, -29.38, 72.57
CIE LCh	96, 78.296, 112.039
Yxy	90.0078, 0.3837, 0.4873
Android (android.graphics.Color)	4293328732 (0xFFE6FF5C)
YUV	228.9430, -67.5129, 0.9270
Hunter-Lab	94.8724, -32.7020, 51.5177

Details

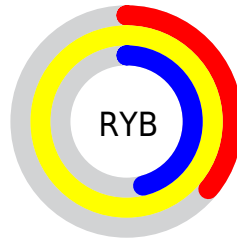
The CIELCh color **96, 78.296, 112.039** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **50, 93.374, 303.516**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 52.583, 106.154**, and **76, 77.681, 111.783** is the 20% darker color. If you saturate the color by 10%, you get **95, 86.600, 111.432**, and if you desaturate by 10%, it is **96, 67.246, 112.231**.

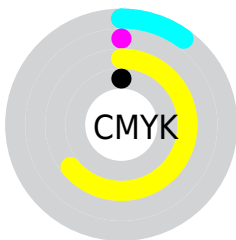
Distribution



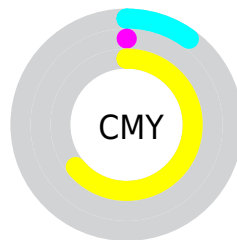
- Red (90%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (46%)



- Cyan (10%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 78.296, 112.039 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, 78.296, 112.039 by changing the saturation by 10% instead.


 96, 78.296,
112.039


 96, 78.296,
112.039


 100, 78.296,
112.039


 86, 78.296,
112.039

 76, 78.296,
112.039

 66, 78.296,
112.039

 56, 78.296,
112.039

 46, 78.296,
112.039

 36, 78.296,
112.039

 26, 78.296,

112.039

■ 16, 78.296,
112.039

■ 6, 78.296, 112.039

■ 96, 78.296,
112.039

■ 96, 78.296,
112.039

■ 95, 86.600,
111.432

■ 96, 67.246,
112.231

■ 95, 93.227,
111.427

■ 97, 55.684,
112.866

■ 95, 97.170,
111.781

■ 97, 43.447,
113.578

■ 94, 98.483,
112.156

■ 98, 30.803,
114.328

■ 99, 17.930,
115.088

■ 100, 4.942,
115.837

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, 78.296, 112.039



50, 93.374, 303.516

Rectangle

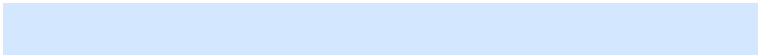
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 78.296, 112.039



96, 78.296, 162.039



96, 78.296, 292.039



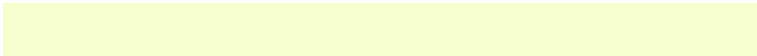
96, 78.296, 342.039

Sweetspot

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



96, 77.734, 111.728



98, 24.638, 114.693



66, 64.138, 37.356



52, 16.937, 114.476



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, 77.734, 111.728



95, 88.989, 111.395



91, 87.620, 131.133



53, 7.390, 115.412



73, 79.282, 112.005



25, 35.896, 111.227

Inverse Universe

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



50, 93.374, 303.516



42, 112.622, 305.344



59, 92.616, 316.669



49, 7.551, 296.871



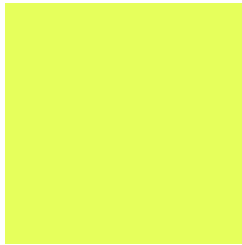
24, 106.758, 306.885



4, 44.464, 304.653

Previews

White Background



This preview shows how the CIELCh color 96, 78.296, 112.039 looks on a white background.

Color Contrast Check

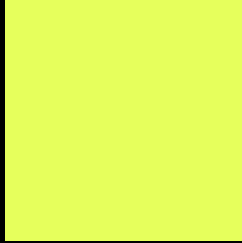
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 96, 78.296, 112.039 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, 78.296, 112.039

Background



This preview shows how black text looks on a background with the CIELCh color 96, 78.296, 112.039.

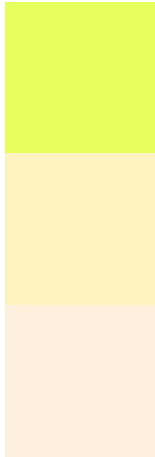


This preview shows how white text looks on a background with the CIELCh color 96, 78.296, 112.039.

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, 77.865, 111.809

Protanopia

95, 25.453, 96.939

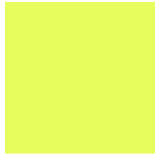
Deuteranopia

96, 10.715, 78.492

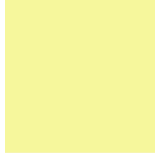


Tritanopia
95, 8.714, 309.332

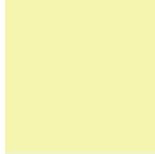
Trichromacy



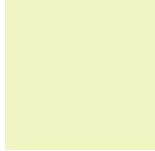
Original Color
96, 77.865, 111.809



Protanomaly
95, 45.665, 107.098



Deuteranomaly
95, 35.427, 106.766

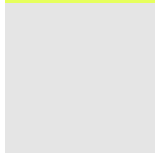


Tritanomaly
95, 24.973, 111.692

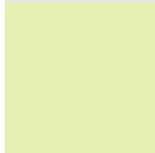
Monochromacy



Original Color
96, 77.865, 111.809



Achromatopsia
91, 0.011, 296.813



Achromatomaly
92, 30.321, 114.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 78.296, 112.039 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(230, 255, 92)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 92)  
}
```

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(230, 255, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 78.296, 112.039 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(230, 255, 92) }
```

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

```
.border{ border-color:rgb(230, 255, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 92);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 78.296, 112.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 92) }
```

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

```
.background{ background-color: rgb(230,  
255, 92) }
```

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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