

Converting Colors

CIELCh(96, 75.712, 110.138)

Have a look what the booklet for
CIELCh(96, 75.712, 110.138)
contains.

CIELCh(96, 76.037, 110.258)	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, 76.037, 110.258)

Conversions

Conversions Part 1

Format	Color
Hex	ECFF60
RGB	236, 255, 96
RGB Percent	93%, 100%, 38%
CMY	0.0754, 0.0009, 0.6244
CMYK	0.07, 0.00, 0.62, 0.00
HSL	67°, 100%, 69%
HSV	67°, 62%, 100%
XYZ	72.3026, 90.0078, 24.5748
YIQ	231.1930, 39.7150, -53.4770

Conversions

Conversions Part 2

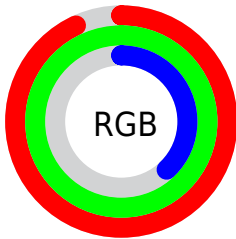
Format	Color
R _Y B	96, 255, 115
Decimal	15531872
CIE Lab	96.00, -26.33, 71.33
CIE LCh	96, 76.037, 110.258
Yxy	90.0078, 0.3869, 0.4816
Android (android.graphics.Color)	4293721952 (0xFFE0FF60)
YUV	231.1930, -66.6501, 4.2157
Hunter-Lab	94.8724, -29.9914, 51.0528

Details

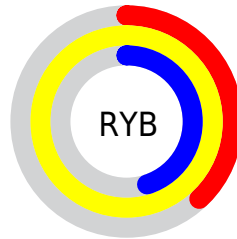
The CIELCh color **96, 76.037, 110.258** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **51, 91.256, 302.623**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 50.696, 106.300**, and **76, 75.788, 110.175** is the 20% darker color. If you saturate the color by 10%, you get **96, 85.099, 109.866**, and if you desaturate by 10%, it is **96, 65.432, 110.837**.

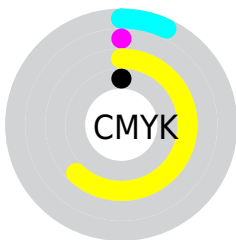
Distribution



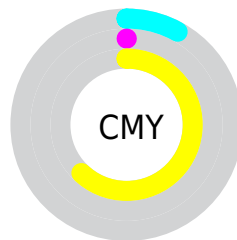
- Red (93%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (45%)



- Cyan (7%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 76.037, 110.258 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, 76.037, 110.258 by changing the saturation by 10% instead.


 96, 76.037,
110.258


 96, 76.037,
110.258


 100, 76.037,
110.258

 86, 76.037,
110.258

 76, 76.037,
110.258

 66, 76.037,
110.258

 56, 76.037,
110.258

 46, 76.037,
110.258

 36, 76.037,
110.258

 26, 76.037,

110.258

■ 16, 76.037,
110.258

■ 6, 76.037, 110.258

■ 96, 76.037,
110.258

■ 96, 76.037,
110.258

■ 96, 85.099,
109.866

■ 96, 65.432,
110.837

■ 95, 91.992,
109.731

■ 97, 53.809,
111.532

■ 95, 96.229,
109.919

■ 98, 41.553,
112.295

■ 95, 97.852,
110.261

■ 98, 28.916,
113.090

■ 99, 16.067,
113.892

■ 100, 3.112,
114.678

100, 0.148,
322.349

Harmonies

Complementary

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



96, 76.037, 110.258



51, 91.256, 302.623

Rectangle

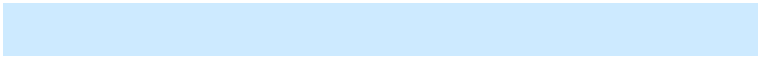
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 76.037, 110.258



96, 76.037, 160.258



96, 76.037, 290.258



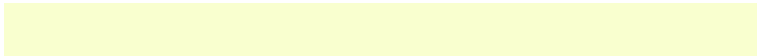
96, 76.037, 340.258

Sweetspot

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



96, 76.038, 110.260



99, 24.574, 113.363



65, 63.718, 34.954



52, 16.892, 113.134



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, 76.038, 110.260



96, 87.179, 109.803



91, 85.104, 130.189



53, 7.372, 114.123



73, 78.840, 110.139



25, 35.750, 109.535

Inverse Universe

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



51, 91.256, 302.623



43, 110.192, 304.600



59, 90.676, 315.636



49, 7.535, 295.671



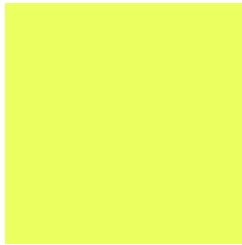
24, 107.065, 306.701



4, 44.400, 304.078

Previews

White Background



This preview shows how the CIELCh color 96, 76.037, 110.258 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, 76.037, 110.258 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, 76.037, 110.258

Background



This preview shows how black text looks on a background with the CIELCh color 96, 76.037, 110.258.

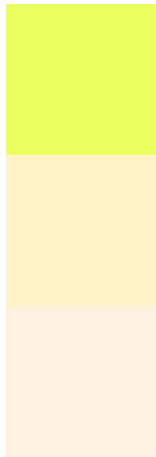


This preview shows how white text looks on a background with the CIELCh color 96, 76.037, 110.258.

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, 76.037, 110.258

Protanopia

96, 22.869, 96.931

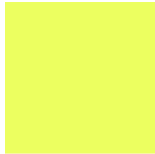
Deuteranopia

96, 9.631, 77.413



Tritanopia
96, 9.261, 317.538

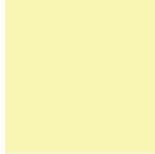
Trichromacy



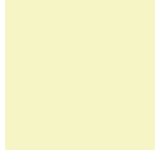
Original Color
96, 76.037, 110.258



Protanomaly
96, 43.241, 106.271

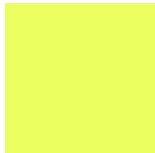


Deuteranomaly
96, 34.414, 106.194

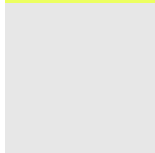


Tritanomaly
95, 24.410, 108.269

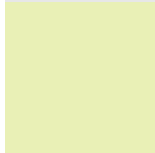
Monochromacy



Original Color
96, 76.037, 110.258



Achromatopsia
92, 0.011, 296.813



Achromatomaly
93, 29.690, 113.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 76.037, 110.258 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, 96)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 96)  
}
```

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, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 76.037, 110.258 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, 96) }
```

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

```
.border{ border-color:rgb(236, 255, 96) }
```

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, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 96);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 76.037, 110.258 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, 96) }
```

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

```
.background{ background-color: rgb(236,  
255, 96) }
```

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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