

Converting Colors

CIELCh(96, 78.883, 107.494)

Have a look what the booklet for
CIELCh(96, 78.883, 107.494)
contains.

CIELCh(96, 78.744, 107.447)	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, 78.744, 107.447)

Conversions

Conversions Part 1

Format	Color
Hex	F2FD56
RGB	242, 253, 86
RGB Percent	95%, 99%, 34%
CMY	0.0500, 0.0068, 0.6617
CMYK	0.04, 0.00, 0.66, 0.01
HSL	64°, 98%, 67%
HSV	64°, 66%, 99%
XYZ	73.6021, 90.0078, 22.3521
YIQ	230.6730, 47.0510, -54.2690

Conversions

Conversions Part 2

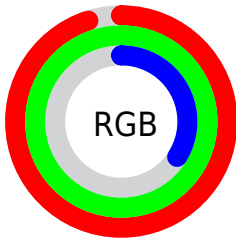
Format	Color
R _Y B	86, 253, 97
Decimal	15924566
CIE Lab	96.00, -23.61, 75.12
CIE LCh	96, 78.744, 107.447
Yxy	90.0078, 0.3958, 0.4840
Android (android.graphics.Color)	4294114646 (0xFFFF2FD56)
YUV	230.6730, -71.3238, 9.9338
Hunter-Lab	94.8724, -27.5463, 52.4419

Details

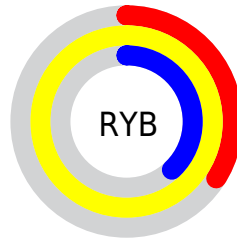
The CIELCh color **96, 78.744, 107.447** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **47, 96.514, 302.195**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 54.921, 105.974**, and **76, 78.940, 107.719** is the 20% darker color. If you saturate the color by 10%, you get **96, 86.992, 107.010**, and if you desaturate by 10%, it is **96, 68.730, 108.070**.

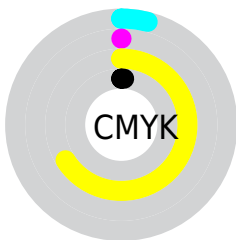
Distribution



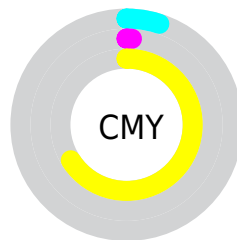
- Red (95%)
- Green (99%)
- Blue (34%)



- Red (34%)
- Yellow (99%)
- Blue (38%)



- Cyan (4%)
- Magenta (0%)
- Yellow (66%)
- Black (1%)



- Cyan (5%)
- Magenta (1%)
- Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 78.744, 107.447 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, 78.744, 107.447 by changing the saturation by 10% instead.

 96, 78.744,
107.447

 96, 78.744,
107.447

 100, 78.744,
107.447

 86, 78.744,
107.447

 76, 78.744,
107.447

 66, 78.744,
107.447

 56, 78.744,
107.447

 46, 78.744,
107.447

 36, 78.744,
107.447

 26, 78.744,

107.447

■ 16, 78.744,
107.447

■ 6, 78.744, 107.447

■ 96, 78.744,
107.447

■ 96, 78.744,
107.447

■ 96, 86.992,
107.010

■ 96, 68.730,
108.070

■ 96, 92.861,
106.812

■ 97, 57.524,
108.815

■ 95, 96.003,
106.893

■ 97, 45.563,
109.637

■ 95, 96.733,
106.981

■ 98, 33.144,
110.501

■ 98, 20.460,
111.379

■ 99, 7.636, 112.250

■ 99, 0.931, 305.002

■ 100, 1.092,
324.196

Harmonies

Complementary

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



96, 78.744, 107.447



47, 96.514, 302.195

Rectangle

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



96, 78.744, 107.447



96, 78.744, 157.447



96, 78.744, 287.447



96, 78.744, 337.447

Sweetspot

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



96, 78.745, 107.449



99, 25.776, 111.021



61, 70.478, 31.835



52, 17.563, 110.774



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, 78.745, 107.449



96, 89.548, 106.921



91, 86.957, 128.017



53, 7.350, 111.941



74, 78.311, 106.913



26, 35.584, 106.628

Inverse Universe

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



47, 96.514, 302.195



40, 116.092, 304.506



55, 94.762, 313.759



49, 7.515, 293.651



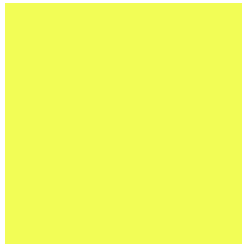
23, 107.449, 306.476



4, 44.284, 303.070

Previews

White Background



This preview shows how the CIELCh color 96, 78.744, 107.447 looks on a white background.

Color Contrast Check

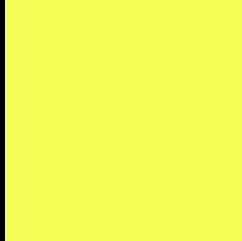
Large Text (above 18pt) WCAG AA × Fail

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, 78.744, 107.447 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, 78.744, 107.447

Background



This preview shows how black text looks on a background with the CIELCh color 96, 78.744, 107.447.



This preview shows how white text looks on a background with the CIELCh color 96, 78.744, 107.447.

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](#).

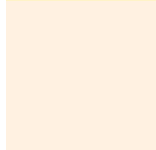
Dichromacy




Original Color
96, 78.744, 107.447



Protanopia
96, 22.869, 96.931



Deuteranopia
96, 9.631, 77.413

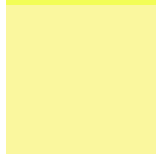


Tritanopia
96, 9.778, 328.170

Trichromacy



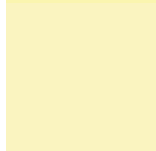
Original Color
96, 78.744, 107.447



Protanomaly
96, 44.712, 105.156



Deuteranomaly
95, 35.476, 104.249

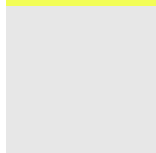


Tritanomaly
96, 26.535, 103.152

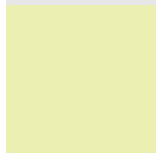
Monochromacy



Original Color
96, 78.744, 107.447



Achromatopsia
92, 0.011, 296.813



Achromatomaly
93, 31.125, 110.533

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 78.744, 107.447 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(242, 253, 86)` looks like.

```
.text, #text, p{  
    color:rgb(242, 253, 86)  
}
```

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(242, 253, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 253, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 78.744, 107.447 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(242, 253, 86) }
```

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

```
.border{ border-color:rgb(242, 253, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 253, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 253, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 253, 86);  
box-shadow:4px 4px 4px 4px rgb(242, 253,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 78.744, 107.447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 253, 86) }
```

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

```
.background{ background-color: rgb(242,  
253, 86) }
```

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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