

Converting Colors

CIELCh(96, 40.215, 119.794)

Have a look what the booklet for
CIELCh(96, 40.215, 119.794)
contains.

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Color

CIELCh(96, 40.242, 119.787)

Conversions

Conversions Part 1

Format	Color
Hex	E6FDAF
RGB	230, 253, 175
RGB Percent	90%, 99%, 69%
CMY	0.0988, 0.0086, 0.3144
CMYK	0.09, 0.00, 0.31, 0.01
HSL	78°, 95%, 84%
HSV	78°, 31%, 99%
XYZ	75.3558, 90.0078, 53.8655
YIQ	237.2310, 11.3300, -29.1340

Conversions

Conversions Part 2

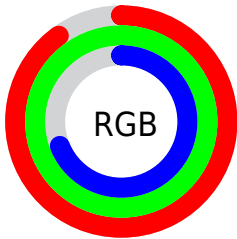
Format	Color
RYB	175, 253, 198
Decimal	15138223
CIELab	96.00, -19.99, 34.93
CIELCh	96, 40.242, 119.787
Yxy	90.0078, 0.3437, 0.4106
Android (android.graphics.Color)	4293328303 (0xFFE6FDAF)
YUV	237.2310, -30.6799, -6.3416
Hunter-Lab	94.8724, -24.2469, 32.7478

Details

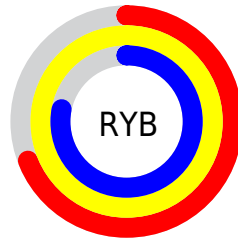
The CIELCh color **96, 40.242, 119.787** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **76, 42.873, 303.768**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 12.147, 109.259**, and **76, 39.880, 119.518** is the 20% darker color. If you saturate the color by 10%, you get **95, 52.841, 119.219**, and if you desaturate by 10%, it is **97, 27.327, 120.387**.

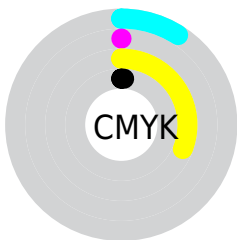
Distribution



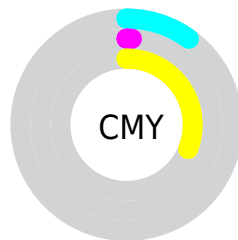
- Red (90%)
- Green (99%)
- Blue (69%)



- Red (69%)
- Yellow (99%)
- Blue (78%)



- Cyan (9%)
- Magenta (0%)
- Yellow (31%)
- Black (1%)





- Cyan (10%)
- Magenta (1%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 40.242, 119.787 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, 40.242, 119.787 by changing the saturation by 10% instead.

 96, 40.242,
119.787


 96, 40.242,
119.787


 100, 40.242,
119.787


 86, 40.242,
119.787

 76, 40.242,
119.787

 66, 40.242,
119.787

 56, 40.242,
119.787

 46, 40.242,
119.787

 36, 40.242,
119.787

 26, 40.242,

119.787

■ 16, 40.242,
119.787

■ 6, 40.242, 119.787

■ 96, 40.242,
119.787

■ 96, 40.242,
119.787

■ 95, 52.841,
119.219

■ 97, 27.327,
120.387

■ 94, 64.886,
118.717

■ 98, 14.246,
120.986

■ 94, 76.031,
118.345

■ 99, 1.105, 121.614

99, 1.366, 324.263

■ 93, 85.791,
118.191

■ 92, 93.567,
118.366

■ 92, 98.836,
118.976

■ 92, 101.568,
119.911

Harmonies

Complementary

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



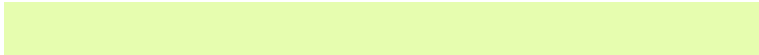
96, 40.242, 119.787



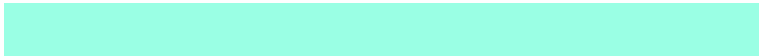
76, 42.873, 303.768

Rectangle

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



96, 40.242, 119.787



96, 40.242, 169.787



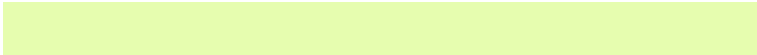
96, 40.242, 299.787



96, 40.242, 349.787

Sweetspot

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



96, 40.244, 119.789



99, 11.900, 121.096



84, 25.244, 47.912



53, 8.269, 121.010



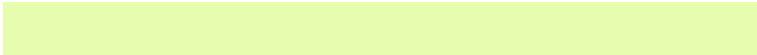
0, 0.000, 0.000



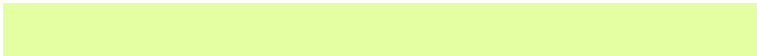
53, 0.007, 296.813

Same Dimension

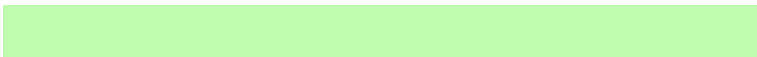
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 40.244, 119.789



96, 48.378, 119.432



94, 45.657, 136.686



53, 7.518, 121.066



71, 82.219, 119.668



24, 36.928, 118.310

Inverse Universe

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



76, 42.873, 303.768



72, 52.314, 304.300



79, 46.371, 319.675



49, 7.663, 302.184



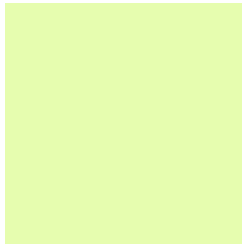
26, 104.712, 308.240



5, 44.744, 307.590

Previews

White Background



This preview shows how the CIELCh color 96, 40.242, 119.787 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, 40.242, 119.787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

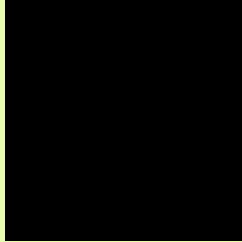
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 40.242, 119.787

Background



This preview shows how black text looks on a background with the CIELCh color 96, 40.242, 119.787.




This preview shows how white text looks on a background with the CIELCh color 96, 40.242, 119.787.

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](#).

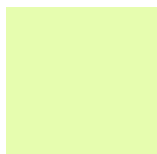
Dichromacy



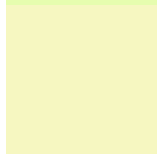


Tritanopia
96, 6.674, 290.701

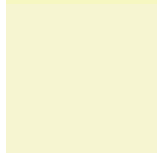
Trichromacy



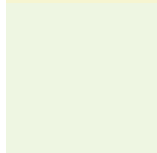
Original Color
96, 40.242, 119.787



Protanomaly
96, 27.397, 108.840

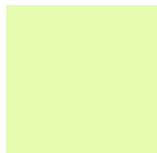


Deuteranomaly
96, 18.339, 107.586

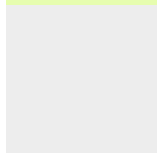


Tritanomaly
96, 10.632, 125.110

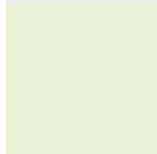
Monochromacy



Original Color
96, 40.242, 119.787



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 15.211, 121.518

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 40.242, 119.787 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, 253, 175)` looks like.

```
.text, #text, p{  
    color:rgb(230, 253, 175)  
}
```

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, 253, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 253, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 40.242, 119.787 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, 253, 175) }
```

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

```
.border{ border-color:rgb(230, 253, 175) }
```

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

Here you see how a box with a 4 pixel rgb(230, 253, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 253, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 253, 175);  
box-shadow:4px 4px 4px 4px rgb(230, 253,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 40.242, 119.787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 253, 175) }
```

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

```
.background{ background-color: rgb(230,  
253, 175) }
```

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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