

Converting Colors

CIELCh(87, 70.345, 116.624)

Have a look what the booklet for
CIELCh(87, 70.345, 116.624)
contains.

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Color

CIELCh(87, 70.345, 116.624)

Conversions

Conversions Part 1

Format	Color
Hex	C4E85B
RGB	196, 232, 91
RGB Percent	77%, 91%, 36%
CMY	0.2325, 0.0913, 0.6442
CMYK	0.16, 0.00, 0.61, 0.09
HSL	75°, 75%, 63%
HSV	75°, 61%, 91%
XYZ	53.3477, 70.0064, 20.5382
YIQ	205.1620, 23.8050, -51.4830

Conversions

Conversions Part 2

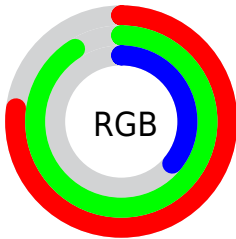
Format	Color
RYB	91, 232, 127
Decimal	12904539
CIELab	87.00, -31.52, 62.89
CIElCh	87, 70.345, 116.624
Yxy	70.0064, 0.3707, 0.4865
Android (android.graphics.Color)	4291094619 (0xFFC4E85B)
YUV	205.1620, -56.2819, -8.0351
Hunter-Lab	83.6698, -32.6110, 44.0151

Details

The CIELCh color **87, 70.345, 116.624** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **49, 81.916, 305.504**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 53.989, 106.046**, and **67, 70.245, 116.578** is the 20% darker color. If you saturate the color by 10%, you get **86, 79.368, 116.418**, and if you desaturate by 10%, it is **88, 60.042, 117.039**.

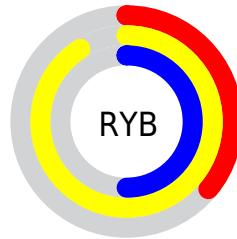
Distribution



Red (77%)

Green (91%)

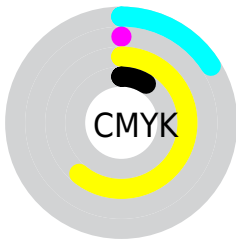
Blue (36%)



Red (36%)

Yellow (91%)

Blue (50%)

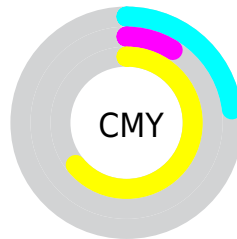


Cyan (16%)

Magenta (0%)

Yellow (61%)

Black (9%)



Cyan (23%)

Magenta (9%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 70.345, 116.624 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 87, 70.345, 116.624 by changing the saturation by 10% instead.

 87, 70.345,
116.624

 87, 70.345,
116.624


 100, 70.345,
116.624

 77, 70.345,
116.624

 67, 70.345,
116.624

 57, 70.345,
116.624

 47, 70.345,
116.624

 37, 70.345,
116.624


 27, 70.345,
116.624


 17, 70.345,


116.624


 7, 70.345, 116.624


 0, 70.345, 116.624


 87, 70.345,
116.624


 87, 70.345,
116.624


 86, 79.368,
116.418


 88, 60.042,
117.039


 86, 86.555,
116.518


 88, 48.906,
117.578

 86, 91.415,
117.028

 89, 37.254,
118.182


 85, 93.943,
117.842


 90, 25.302,
118.814

 91, 13.191,

119.448

 92, 1.016, 120.099

 93, 11.156,
300.653

 93, 12.691,
309.026

 94, 13.476,
317.406

Harmonies

Complementary

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



87, 70.345, 116.624



49, 81.916, 305.504

Rectangle

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



87, 70.345, 116.624



87, 70.345, 166.624



87, 70.345, 296.624



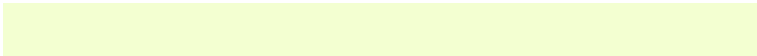
87, 70.345, 346.624

Sweetspot

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



87, 70.346, 116.626



98, 23.634, 118.989



64, 52.901, 44.589



52, 16.408, 118.803



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 70.346, 116.626



94, 87.499, 116.410



83, 80.232, 133.953



48, 6.856, 119.536



67, 77.184, 117.620



19, 30.170, 117.273

Inverse Universe

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



49, 81.916, 305.504



46, 106.230, 306.755



57, 82.668, 319.674



44, 6.993, 300.723



23, 100.053, 307.814



3, 34.294, 302.939

Previews

White Background



This preview shows how the CIELCh color 87, 70.345, 116.624 looks on a white background.

Color Contrast Check

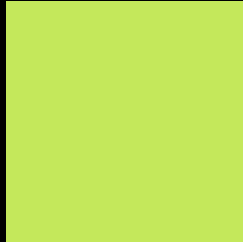
Large Text (above 18pt) WCAG AA × Fail

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 87, 70.345, 116.624 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 87, 70.345, 116.624

Background



This preview shows how black text looks on a background with the CIELCh color 87, 70.345, 116.624.

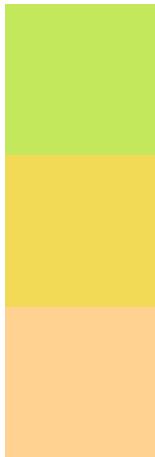


This preview shows how white text looks on a background with the CIELCh color 87, 70.345, 116.624.

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
87, 70.345, 116.624

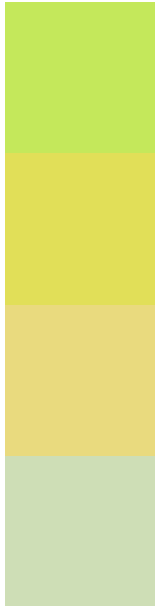
Protanopia
87, 65.634, 95.631

Deuteranopia
87, 38.387, 78.488



Tritanopia
87, 9.041, 279.890

Trichromacy



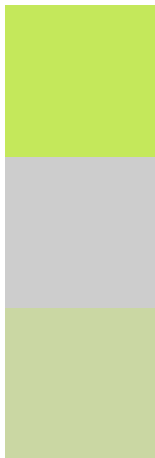
Original Color
87, 70.345, 116.624

Protanomaly
87, 66.290, 103.844

Deuteranomaly
86, 47.449, 98.619

Tritanomaly
86, 21.684, 124.603

Monochromacy



Original Color
87, 70.345, 116.624

Achromatopsia
82, 0.010, 296.813

Achromatomaly
84, 27.570, 118.389

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 70.345, 116.624 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(196, 232, 91)` looks like.

```
.text, #text, p{  
    color:rgb(196, 232, 91)  
}
```

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(196, 232, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 232, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 70.345, 116.624 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(196, 232, 91) }
```

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

```
.border{ border-color:rgb(196, 232, 91) }
```

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

Here you see how a box with a 4 pixel rgb(196, 232, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 232, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 232, 91);  
box-shadow:4px 4px 4px 4px rgb(196, 232,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 70.345, 116.624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 232, 91) }
```

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

```
.background{ background-color: rgb(196,  
232, 91) }
```

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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