

Converting Colors

CIELCh(88, 45.940, 119.402)

Have a look what the booklet for
CIELCh(88, 45.940, 119.402)
contains.

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Color

CIELCh(88, 45.940, 119.402)

Conversions

Conversions Part 1

Format	Color
Hex	CDE78F
RGB	205, 231, 143
RGB Percent	80%, 91%, 56%
CMY	0.1963, 0.0944, 0.4395
CMYK	0.11, 0.00, 0.38, 0.09
HSL	78°, 65%, 73%
HSV	78°, 38%, 91%
XYZ	58.6689, 72.0653, 36.7796
YIQ	213.1940, 12.7520, -32.8800

Conversions

Conversions Part 2

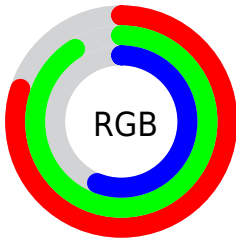
Format	Color
RYB	143, 231, 169
Decimal	13494159
CIELab	88.00, -22.55, 40.02
CIELCh	88, 45.940, 119.402
Yxy	72.0653, 0.3502, 0.4302
Android (android.graphics.Color)	4291684239 (0xFFCDE78F)
YUV	213.1940, -34.6056, -7.1861
Hunter-Lab	84.8913, -25.1973, 33.7362

Details

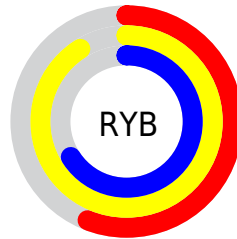
The CIELCh color **88, 45.940, 119.402** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **65, 49.789, 304.397**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 28.732, 107.994**, and **68, 45.726, 119.015** is the 20% darker color. If you saturate the color by 10%, you get **87, 57.315, 118.880**, and if you desaturate by 10%, it is **89, 34.130, 119.982**.

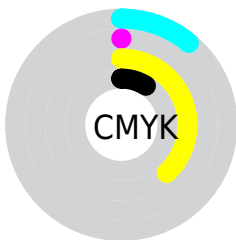
Distribution



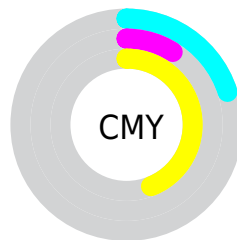
- Red (80%)
- Green (91%)
- Blue (56%)



- Red (56%)
- Yellow (91%)
- Blue (66%)



- Cyan (11%)
- Magenta (0%)
- Yellow (38%)
- Black (9%)



- Cyan (20%)
- Magenta (9%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 45.940, 119.402 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 88, 45.940, 119.402 by changing the saturation by 10% instead.

■ 88, 45.940,
119.402

■ 88, 45.940,
119.402

■ 100, 45.940,
119.402

■ 78, 45.940,
119.402

■ 68, 45.940,
119.402

■ 58, 45.940,
119.402

■ 48, 45.940,
119.402

■ 38, 45.940,
119.402

■ 28, 45.940,
119.402

■ 18, 45.940,


119.402


 8, 45.940, 119.402

 0, 45.940, 119.402


 88, 45.940,
119.402


 88, 45.940,
119.402

 87, 57.315,
118.880


 89, 34.130,
119.982

 87, 67.967,
118.463


 90, 22.070,
120.579

 86, 77.487,
118.233

 91, 9.889, 121.173

 85, 85.349,
118.294

 92, 2.325, 301.716

 93, 12.791,
303.725

 85, 91.019,

118.756

93, 13.518,
313.563

84, 94.321,
119.673

94, 14.599,
322.290

84, 94.824,
119.866

94, 15.031,
324.943

Harmonies

Complementary

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



88, 45.940, 119.402



65, 49.789, 304.397

Rectangle

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



88, 45.940, 119.402



88, 45.940, 169.402



88, 45.940, 299.402



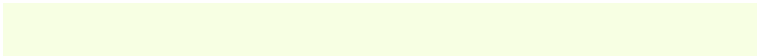
88, 45.940, 349.402

Sweetspot

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



88, 45.942, 119.404



99, 14.546, 120.998



74, 29.810, 47.686



53, 9.773, 120.918



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 45.942, 119.404



95, 59.551, 118.971



85, 52.240, 136.235



48, 6.895, 121.093



67, 78.087, 119.625



19, 30.457, 119.189

Inverse Universe

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



65, 49.789, 304.397



65, 65.925, 305.141



69, 53.212, 319.974



44, 7.027, 302.197



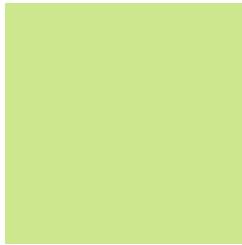
24, 99.409, 308.291



3, 34.456, 304.088

Previews

White Background



This preview shows how the CIELCh color 88, 45.940, 119.402 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 88, 45.940, 119.402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

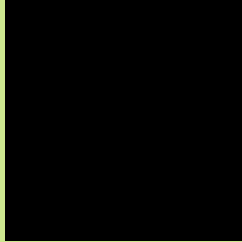
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 45.940, 119.402

Background



This preview shows how black text looks on a background with the CIELCh color 88, 45.940, 119.402.

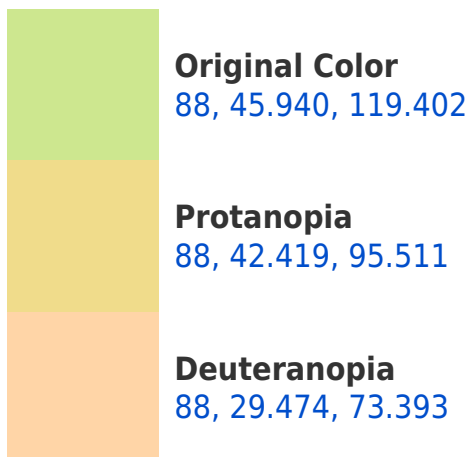


This preview shows how white text looks on a background with the CIELCh color 88, 45.940, 119.402.

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](#).

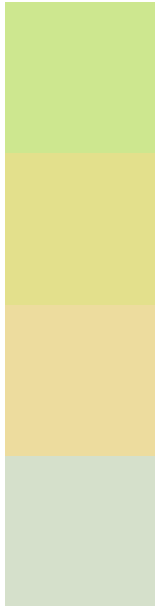
Dichromacy





Tritanopia
88, 8.925, 284.234

Trichromacy



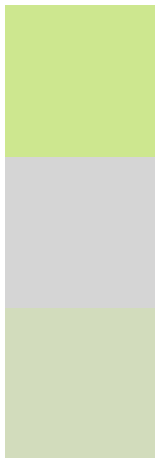
Original Color
88, 45.940, 119.402

Protanomaly
88, 42.934, 104.939

Deuteranomaly
88, 32.771, 95.485

Tritanomaly
88, 11.675, 129.499

Monochromacy



Original Color
88, 45.940, 119.402

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 17.104, 121.455

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 45.940, 119.402 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(205, 231, 143)` looks like.

```
.text, #text, p{  
    color:rgb(205, 231, 143)  
}
```

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(205, 231, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 231, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 45.940, 119.402 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(205, 231, 143) }
```

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

```
.border{ border-color:rgb(205, 231, 143) }
```

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

Here you see how a box with a 4 pixel rgb(205, 231, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 231, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 231, 143);  
box-shadow:4px 4px 4px 4px rgb(205, 231,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 45.940, 119.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 231, 143) }
```

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

```
.background{ background-color: rgb(205,  
231, 143) }
```

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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