

Converting Colors

CIELCh(86, 52.966, 120.750)

Have a look what the booklet for
CIELCh(86, 52.966, 120.750)
contains.

CIELCh(86, 52.966, 120.750)	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(86, 52.966, 120.750)

Conversions

Conversions Part 1

Format	Color
Hex	C1E37E
RGB	193, 227, 126
RGB Percent	76%, 89%, 49%
CMY	0.2420, 0.1086, 0.5048
CMYK	0.15, 0.00, 0.44, 0.11
HSL	80°, 65%, 69%
HSV	80°, 44%, 89%
XYZ	53.3991, 67.9871, 30.1391
YIQ	205.3200, 12.1570, -38.6190

Conversions

Conversions Part 2

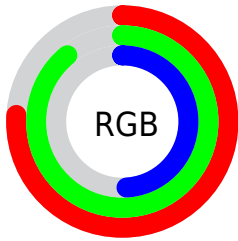
Format	Color
RYB	126, 227, 160
Decimal	12706686
CIELab	86.00, -27.08, 45.52
CIElCh	86, 52.966, 120.750
Yxy	67.9871, 0.3524, 0.4487
Android (android.graphics.Color)	4290896766 (0xFFC1E37E)
YUV	205.3200, -39.1048, -10.8046
Hunter-Lab	82.4543, -28.6947, 36.0460

Details

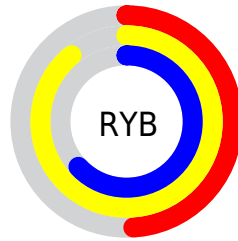
The CIELCh color **86, 52.966, 120.750** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **60, 58.013, 306.228**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 37.685, 109.650**, and **66, 53.279, 120.690** is the 20% darker color. If you saturate the color by 10%, you get **85, 63.905, 120.319**, and if you desaturate by 10%, it is **87, 41.442, 121.270**.

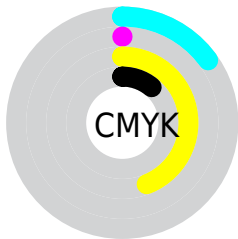
Distribution



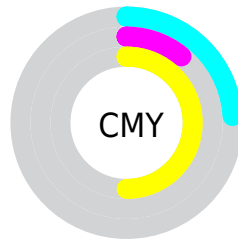
- Red (76%)
- Green (89%)
- Blue (49%)



- Red (49%)
- Yellow (89%)
- Blue (63%)



- Cyan (15%)
- Magenta (0%)
- Yellow (44%)
- Black (11%)





- Cyan (24%)
- Magenta (11%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 52.966, 120.750 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 86, 52.966, 120.750 by changing the saturation by 10% instead.


 86, 52.966,
120.750


 86, 52.966,
120.750


 100, 52.966,
120.750


 76, 52.966,
120.750

 66, 52.966,
120.750

 56, 52.966,
120.750

 46, 52.966,
120.750

 36, 52.966,
120.750

 26, 52.966,
120.750

 16, 52.966,

120.750

■ 6, 52.966, 120.750

■ 0, 52.966, 120.750

■ 86, 52.966,
120.750

■ 86, 52.966,
120.750

■ 85, 63.905,
120.319

■ 87, 41.442,
121.270

■ 85, 73.901,
120.042

■ 88, 29.570,
121.826

■ 84, 82.476,
120.021

■ 89, 17.514,
122.389

■ 83, 89.085,
120.373

■ 90, 5.384, 122.946

■ 83, 93.337,

■ 91, 6.744, 303.448

121.196

92, 14.983,
307.102

83, 94.915,
121.806

93, 15.919,
316.363

93, 17.223,
324.532

93, 17.319,
325.025

Harmonies

Complementary

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



86, 52.966, 120.750



60, 58.013, 306.228

Rectangle

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



86, 52.966, 120.750



86, 52.966, 170.750



86, 52.966, 300.750



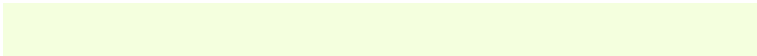
86, 52.966, 350.750

Sweetspot

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



86, 52.968, 120.752



98, 17.305, 122.465



72, 34.667, 52.596



52, 12.107, 122.341



0, 0.000, 0.000



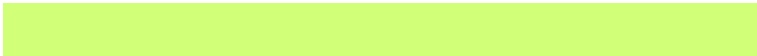
53, 0.007, 296.813

Same Dimension

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



86, 52.968, 120.752



95, 68.429, 120.361



83, 60.763, 137.120



48, 6.941, 122.667



66, 79.087, 121.563



19, 30.783, 121.065

Inverse Universe

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



60, 58.013, 306.228



60, 76.674, 306.972



65, 61.619, 321.764



44, 7.067, 303.695



24, 98.688, 308.858



3, 34.656, 305.376

Previews

White Background



This preview shows how the CIELCh color 86, 52.966, 120.750 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 86, 52.966, 120.750 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 86, 52.966, 120.750

Background



This preview shows how black text looks on a background with the CIELCh color 86, 52.966, 120.750.

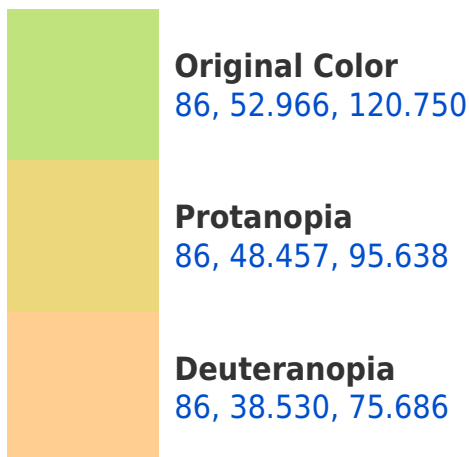


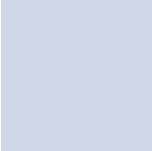
This preview shows how white text looks on a background with the CIELCh color 86, 52.966, 120.750.

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
86, 9.289, 273.623

Trichromacy



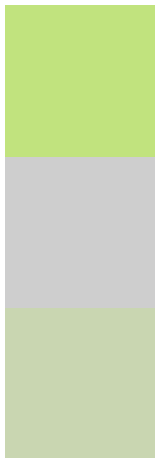
Original Color
86, 52.966, 120.750

Protanomaly
86, 48.411, 105.535

Deuteranomaly
86, 40.067, 95.554

Tritanomaly
86, 14.551, 134.618

Monochromacy



Original Color
86, 52.966, 120.750

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 20.008, 122.799

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 52.966, 120.750 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(193, 227, 126)` looks like.

```
.text, #text, p{  
    color:rgb(193, 227, 126)  
}
```

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(193, 227, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 227, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 52.966, 120.750 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(193, 227, 126) }
```

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

```
.border{ border-color:rgb(193, 227, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 227, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 227, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 227, 126); box-shadow:4px 4px 4px 4px rgb(193, 227, 126) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 52.966, 120.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 227, 126) }
```

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

```
.background{ background-color: rgb(193,  
227, 126) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor