

Converting Colors

CIELCh(86, 45.854, 129.112)

Have a look what the booklet for
CIELCh(86, 45.854, 129.112)
contains.

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Color

CIELCh(86, 46.164, 129.259)

Conversions

Conversions Part 1

Format	Color
Hex	B7E592
RGB	183, 229, 146
RGB Percent	72%, 90%, 57%
CMY	0.2834, 0.1030, 0.4285
CMYK	0.20, 0.00, 0.36, 0.10
HSL	93°, 61%, 73%
HSV	93°, 36%, 90%
XYZ	52.5753, 67.9871, 37.4411
YIQ	205.7840, -0.7730, -35.5650

Conversions

Conversions Part 2

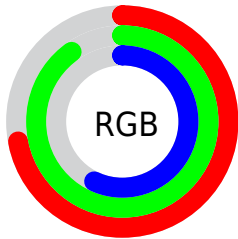
Format	Color
RYB	146, 229, 192
Decimal	12051858
CIELab	86.00, -29.21, 35.74
CIElCh	86, 46.164, 129.259
Yxy	67.9871, 0.3327, 0.4303
Android (android.graphics.Color)	4290241938 (0xFFB7E592)
YUV	205.7840, -29.4735, -19.9816
Hunter-Lab	82.4543, -30.4781, 30.7954

Details

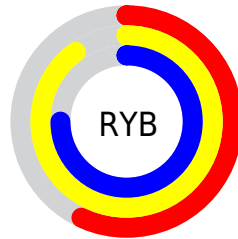
The CIELCh color $86, 46.164, 129.259$ is a light color, and the websafe version is hex `CCFF99`. A complement of this color would be $67, 48.296, 312.636$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 27.870, 119.683$, and $66, 46.024, 128.947$ is the 20% darker color. If you saturate the color by 10%, you get $85, 58.402, 128.792$, and if you desaturate by 10%, it is $87, 33.570, 129.751$.

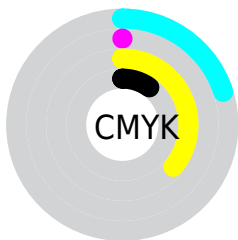
Distribution



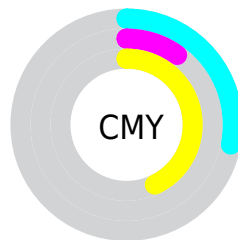
- Red (72%)
- Green (90%)
- Blue (57%)



- Red (57%)
- Yellow (90%)
- Blue (75%)



- Cyan (20%)
- Magenta (0%)
- Yellow (36%)
- Black (10%)





- Cyan (28%)
- Magenta (10%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 46.164, 129.259 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, 46.164, 129.259 by changing the saturation by 10% instead.


 86, 46.164,
129.259


 86, 46.164,
129.259


 100, 46.164,
129.259


 76, 46.164,
129.259

 66, 46.164,
129.259

 56, 46.164,
129.259

 46, 46.164,
129.259

 36, 46.164,
129.259


 26, 46.164,
129.259

 16, 46.164,


129.259


 6, 46.164, 129.259


 0, 46.164, 129.259

 86, 46.164,
129.259


 86, 46.164,
129.259

 85, 58.402,
128.792


 87, 33.570,
129.751

 84, 70.003,
128.397

 88, 20.805,
130.232


 83, 80.584,
128.159

 90, 8.004, 130.696


 82, 89.634,
128.191


 91, 4.739, 311.061


 82, 96.604,

 93, 14.922,
314.941

128.625

 94, 16.419,
324.993

 81, 101.152,
129.548

 81, 102.447,
129.944

Harmonies

Complementary

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



86, 46.164, 129.259



67, 48.296, 312.636

Rectangle

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



86, 46.164, 129.259



86, 46.164, 179.259



86, 46.164, 309.259



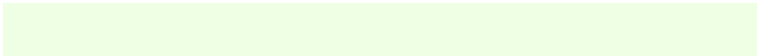
86, 46.164, 359.259

Sweetspot

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



86, 46.166, 129.260



98, 15.338, 130.475



80, 28.876, 75.888



52, 10.309, 130.412



0, 0.000, 0.000



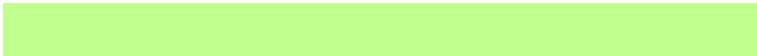
53, 0.007, 296.813

Same Dimension

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



86, 46.166, 129.260



94, 60.770, 128.882



84, 51.112, 143.078



47, 7.267, 130.549



65, 84.874, 129.687



18, 32.832, 129.377

Inverse Universe

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



67, 48.296, 312.636



69, 64.268, 313.027



71, 51.059, 327.838



45, 7.357, 311.337



29, 94.349, 313.231



4, 35.957, 312.971

Previews

White Background



This preview shows how the CIELCh color 86, 46.164, 129.259 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 CIE LCh color 86, 46.164, 129.259 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, 46.164, 129.259

Background



This preview shows how black text looks on a background with the CIELCh color 86, 46.164, 129.259.

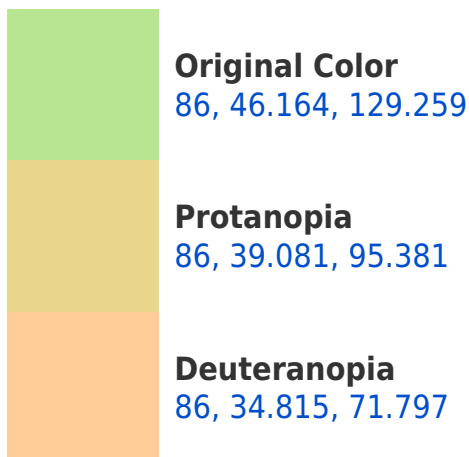


This preview shows how white text looks on a background with the CIELCh color 86, 46.164, 129.259.

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



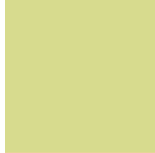


Tritanopia
86, 11.469, 250.361

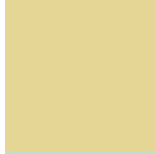
Trichromacy



Original Color
86, 46.164, 129.259



Protanomaly
86, 39.636, 109.109



Deuteranomaly
85, 33.769, 96.972

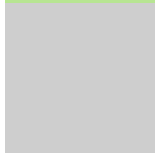


Tritanomaly
86, 15.046, 156.970

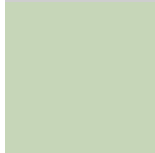
Monochromacy



Original Color
86, 46.164, 129.259



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 16.878, 129.617

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 46.164, 129.259 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(183, 229, 146)` looks like.

```
.text, #text, p{  
    color:rgb(183, 229, 146)  
}
```

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(183, 229, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 229, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 46.164, 129.259 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(183, 229, 146) }
```

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

```
.border{ border-color:rgb(183, 229, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 229, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 229, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 229, 146); box-shadow:4px 4px 4px 4px rgb(183, 229, 146) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 46.164, 129.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 229, 146) }
```

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

```
.background{ background-color: rgb(183,  
229, 146) }
```

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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