

Converting Colors

CIELCh(86, 75.498, 122.308)

Have a look what the booklet for
CIELCh(86, 75.498, 122.308)
contains.

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Color

CIELCh(86, 75.498, 122.308)

Conversions

Conversions Part 1

Format	Color
Hex	AFE955
RGB	175, 233, 85
RGB Percent	69%, 91%, 33%
CMY	0.3141, 0.0866, 0.6670
CMYK	0.25, 0.00, 0.64, 0.09
HSL	84°, 77%, 62%
HSV	84°, 64%, 91%
XYZ	48.4104, 67.9871, 19.1483
YIQ	198.7860, 12.9400, -58.3240

Conversions

Conversions Part 2

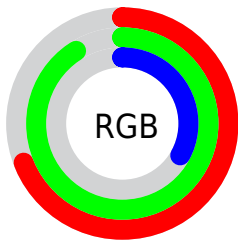
Format	Color
R_{YB}	85, 233, 143
Decimal	11528533
CIE _{Lab}	86.00, -40.35, 63.81
CIE _{LCh}	86, 75.498, 122.308
Yxy	67.9871, 0.3572, 0.5016
Android (android.graphics.Color)	4289718613 (0xFFAFE955)
YUV	198.7860, -56.0965, -20.8603
Hunter-Lab	82.4543, -39.4945, 43.9491

Details

The CIELCh color **86, 75.498, 122.308** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **50, 85.732, 309.258**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 57.427, 114.160**, and **66, 75.583, 122.356** is the 20% darker color. If you saturate the color by 10%, you get **85, 84.582, 122.296**, and if you desaturate by 10%, it is **87, 65.020, 122.574**.

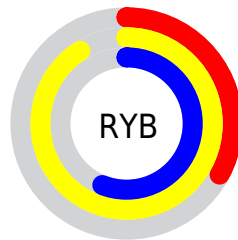
Distribution



Red (69%)

Green (91%)

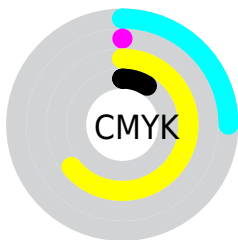
Blue (33%)



Red (33%)

Yellow (91%)

Blue (56%)

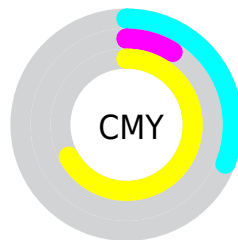


Cyan (25%)

Magenta (0%)

Yellow (64%)

Black (9%)



Cyan (31%)


Magenta (9%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 75.498, 122.308 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, 75.498, 122.308 by changing the saturation by 10% instead.


 86, 75.498,
122.308


 86, 75.498,
122.308


 100, 75.498,
122.308


 76, 75.498,
122.308

 66, 75.498,
122.308

 56, 75.498,
122.308

 46, 75.498,
122.308

 36, 75.498,
122.308


 26, 75.498,
122.308


 16, 75.498,

122.308


 6, 75.498, 122.308


 0, 75.498, 122.308


 86, 75.498,
122.308


 86, 75.498,
122.308

 85, 84.582,
122.296


 87, 65.020,
122.574


 85, 91.714,
122.658


 88, 53.624,
122.989

 84, 96.469,
123.501

 89, 41.662,
123.482

 84, 98.486,
124.253

 90, 29.373,
124.006


 91, 16.920,

124.532

 92, 4.414, 125.055

 93, 8.068, 305.503

 94, 12.578,
315.459

 95, 13.788,
324.898

Harmonies

Complementary

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



86, 75.498, 122.308



50, 85.732, 309.258

Rectangle

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



86, 75.498, 122.308



86, 75.498, 172.308



86, 75.498, 302.308



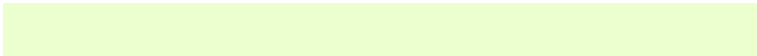
86, 75.498, 352.308

Sweetspot

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



86, 75.499, 122.309



98, 25.540, 124.241



67, 53.342, 56.295



52, 17.567, 124.089



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, 75.499, 122.309



92, 92.984, 122.355



83, 86.629, 136.755



49, 7.139, 124.744



67, 81.384, 123.990



20, 32.669, 123.157

Inverse Universe

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



50, 85.732, 309.258



47, 108.786, 309.892



59, 86.884, 323.899



45, 7.259, 305.687



26, 98.686, 309.739



4, 37.115, 308.038

Previews

White Background



This preview shows how the CIELCh color 86, 75.498, 122.308 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, 75.498, 122.308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

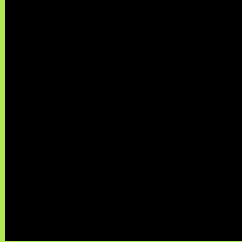
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 75.498, 122.308

Background



This preview shows how black text looks on a background with the CIELCh color 86, 75.498, 122.308.

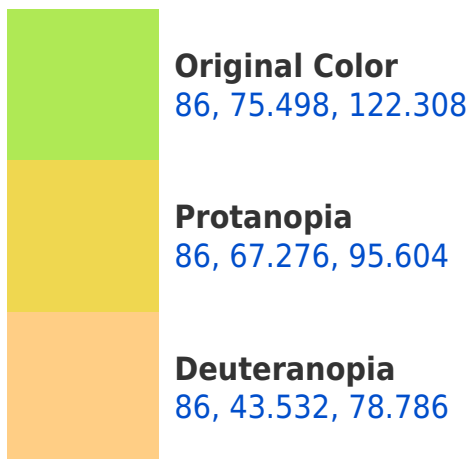


This preview shows how white text looks on a background with the CIELCh color 86, 75.498, 122.308.

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



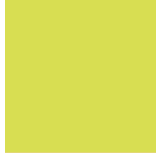


Tritanopia
86, 11.890, 247.883

Trichromacy



Original Color
86, 75.498, 122.308



Protanomaly
86, 68.344, 106.509



Deuteranomaly
85, 51.078, 101.085

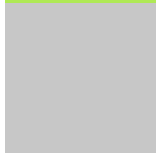


Tritanomaly
85, 26.218, 138.924

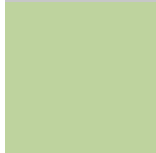
Monochromacy



Original Color
86, 75.498, 122.308



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 28.939, 124.093

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 75.498, 122.308 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(175, 233, 85)` looks like.

```
.text, #text, p{  
    color:rgb(175, 233, 85)  
}
```

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(175, 233, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 233, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 75.498, 122.308 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(175, 233, 85) }
```

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

```
.border{ border-color:rgb(175, 233, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 233, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 233, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 233, 85);  
box-shadow:4px 4px 4px 4px rgb(175, 233,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 75.498, 122.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 233, 85) }
```

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

```
.background{ background-color: rgb(175,  
233, 85) }
```

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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