

Converting Colors

CIELCh(86, 45.618, 145.509)

Have a look what the booklet for
CIELCh(86, 45.618, 145.509)
contains.

CIELCh(86, 45.407, 145.602)	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, 45.407, 145.602)

Conversions

Conversions Part 1

Format	Color
Hex	9BE9A5
RGB	155, 233, 165
RGB Percent	61%, 91%, 65%
CMY	0.3920, 0.0861, 0.3528
CMYK	0.33, 0.00, 0.29, 0.09
HSL	128°, 64%, 76%
HSV	128°, 33%, 91%
XYZ	49.4671, 67.9871, 46.1281
YIQ	201.9260, -24.6600, -37.6840

Conversions

Conversions Part 2

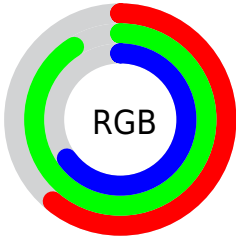
Format	Color
RYB	155, 224, 233
Decimal	10217893
CIELab	86.00, -37.47, 25.65
CIELCh	86, 45.407, 145.602
Yxy	67.9871, 0.3024, 0.4156
Android (android.graphics.Color)	4288407973 (0xFF9BE9A5)
YUV	201.9260, -18.2045, -41.1541
Hunter-Lab	82.4543, -37.2068, 24.5489

Details

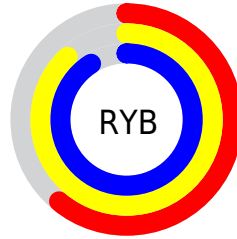
The CIELCh color $86, 45.407, 145.602$ is a light color, and the websafe version is hex $99FFCC$. A complement of this color would be $74, 45.459, 330.157$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $96, 23.855, 149.494$, and $66, 45.298, 145.605$ is the 20% darker color. If you saturate the color by 10%, you get $85, 58.504, 144.553$, and if you desaturate by 10%, it is $88, 31.912, 146.509$.

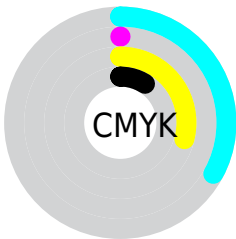
Distribution



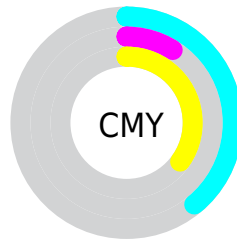
- Red (61%)
- Green (91%)
- Blue (65%)



- Red (61%)
- Yellow (88%)
- Blue (91%)



- Cyan (33%)
- Magenta (0%)
- Yellow (29%)
- Black (9%)





- Cyan (39%)
- Magenta (9%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 45.407, 145.602 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, 45.407, 145.602 by changing the saturation by 10% instead.


 86, 45.407,
145.602


 86, 45.407,
145.602


 100, 45.407,
145.602


 76, 45.407,
145.602

 66, 45.407,
145.602

 56, 45.407,
145.602

 46, 45.407,
145.602

 36, 45.407,
145.602


 26, 45.407,
145.602


 16, 45.407,


145.602


 6, 45.407, 145.602


 0, 45.407, 145.602


 86, 45.407,
145.602


 86, 45.407,
145.602

 85, 58.504,
144.553


 88, 31.912,
146.509

 83, 70.894,
143.356


 90, 18.267,
147.292


 83, 82.233,
142.022

 92, 4.672, 148.006


 82, 92.147,
140.593


 94, 8.726, 328.467

 81, 100.265,

 95, 13.712,
324.895

139.148

 81, 106.256,
137.810

 81, 108.981,
137.102

Harmonies

Complementary

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



86, 45.407, 145.602



74, 45.459, 330.157

Rectangle

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



86, 45.407, 145.602



86, 45.407, 195.602



86, 45.407, 325.602



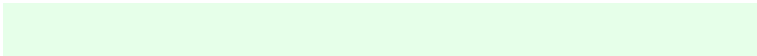
86, 45.407, 15.602

Sweetspot

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



86, 45.409, 145.602



98, 14.557, 147.537



90, 39.886, 112.097



52, 9.940, 147.437



0, 0.000, 0.000



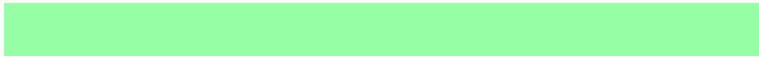
53, 0.007, 296.813

Same Dimension

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



86, 45.409, 145.602



92, 58.102, 144.913



87, 31.114, 167.088



48, 7.726, 147.577



64, 89.781, 137.301



18, 35.817, 140.609

Inverse Universe

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



74, 45.459, 330.157



76, 58.063, 330.572



72, 33.422, 354.086



46, 7.743, 328.678



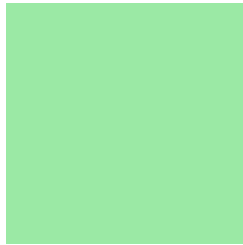
42, 80.838, 334.084



9, 35.124, 333.124

Previews

White Background



This preview shows how the CIE LCh color 86, 45.407, 145.602 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, 45.407, 145.602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

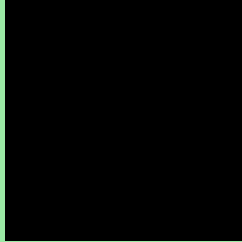
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 45.407, 145.602

Background



This preview shows how black text looks on a background with the CIELCh color 86, 45.407, 145.602.

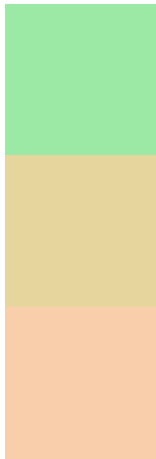


This preview shows how white text looks on a background with the CIELCh color 86, 45.407, 145.602.

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
86, 45.407, 145.602

Protanopia
86, 30.334, 95.428

Deuteranopia
86, 25.274, 66.050

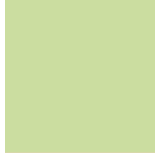


Tritanopia
86, 19.208, 228.077

Trichromacy



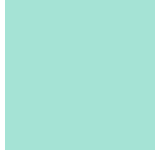
Original Color
86, 45.407, 145.602



Protanomaly
85, 32.351, 119.999



Deuteranomaly
85, 24.460, 108.983

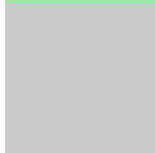


Tritanomaly
86, 22.484, 178.719

Monochromacy



Original Color
86, 45.407, 145.602



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 16.393, 147.782

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 45.407, 145.602 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(155, 233, 165)` looks like.

```
.text, #text, p{  
    color:rgb(155, 233, 165)  
}
```

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(155, 233, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 233, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 45.407, 145.602 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(155, 233, 165) }
```

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

```
.border{ border-color:rgb(155, 233, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 233, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 233, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 233, 165);  
box-shadow:4px 4px 4px 4px rgb(155, 233,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 45.407, 145.602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 233, 165) }
```

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

```
.background{ background-color: rgb(155,  
233, 165) }
```

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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