

Converting Colors

CIELCh(87, 45.621, 164.135)

Have a look what the booklet for
CIELCh(87, 45.621, 164.135)
contains.

CIELCh(87, 45.206, 164.331)	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(87, 45.206, 164.331)

Conversions

Conversions Part 1

Format	Color
Hex	7BEFC1
RGB	123, 239, 193
RGB Percent	48%, 94%, 76%
CMY	0.5164, 0.0615, 0.2420
CMYK	0.48, 0.00, 0.19, 0.06
HSL	156°, 79%, 71%
HSV	156°, 48%, 94%
XYZ	48.8246, 70.0064, 61.5595
YIQ	199.0720, -54.3700, -38.8980

Conversions

Conversions Part 2

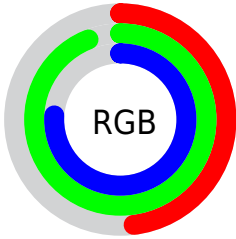
Format	Color
RYB	123, 195, 239
Decimal	8122305
CIELab	87.00, -43.53, 12.21
CIELCh	87, 45.206, 164.331
Yxy	70.0064, 0.2707, 0.3881
Android (android.graphics.Color)	4286312385 (0xFF7BEFC1)
YUV	199.0720, -2.9935, -66.7151
Hunter-Lab	83.6698, -42.2604, 14.9466

Details

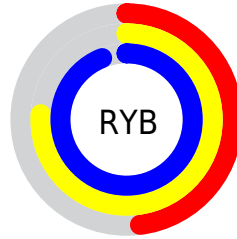
The CIELCh color **87, 45.206, 164.331** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66, 49.700, 355.561**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 24.272, 190.560**, and **67, 45.257, 164.251** is the 20% darker color. If you saturate the color by 10%, you get **86, 53.085, 162.845**, and if you desaturate by 10%, it is **88, 36.626, 165.653**.

Distribution



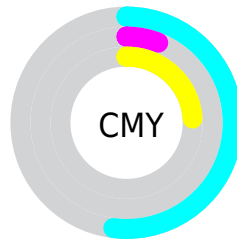
- Red (48%)
- Green (94%)
- Blue (76%)



- Red (48%)
- Yellow (76%)
- Blue (94%)



- Cyan (48%)
- Magenta (0%)
- Yellow (19%)
- Black (6%)





- Cyan (52%)
- Magenta (6%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 45.206, 164.331 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 87, 45.206, 164.331 by changing the saturation by 10% instead.


 87, 45.206,
164.331


 87, 45.206,
164.331


 100, 45.206,
164.331


 77, 45.206,
164.331

 67, 45.206,
164.331

 57, 45.206,
164.331

 47, 45.206,
164.331

 37, 45.206,
164.331


 27, 45.206,
164.331


 17, 45.206,


164.331


 7, 45.206, 164.331


 0, 45.206, 164.331


 87, 45.206,
164.331


 87, 45.206,
164.331


 86, 53.085,
162.845

 88, 36.626,
165.653

 85, 60.119,
161.172

 90, 27.505,
166.839

 85, 66.219,
159.291

 91, 18.011,
167.915

 84, 71.369,
157.194


 93, 8.298, 168.918

 84, 75.683,

 95, 1.505, 349.411

154.919

 96, 7.909, 334.767

 84, 76.310,
154.576

 96, 9.785, 324.750

Harmonies

Complementary

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



87, 45.206, 164.331



66, 49.700, 355.561

Rectangle

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



87, 45.206, 164.331



87, 45.206, 214.331



87, 45.206, 344.331



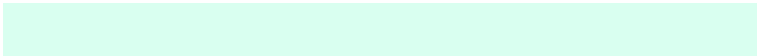
87, 45.206, 34.331

Sweetspot

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



87, 45.207, 164.330



97, 15.430, 168.263



88, 64.117, 130.200



51, 10.514, 168.049



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 45.207, 164.330



91, 55.484, 162.888



85, 31.153, 208.858



49, 5.571, 168.818



66, 62.078, 154.995



20, 25.369, 158.719

Inverse Universe

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



66, 49.700, 355.561



65, 61.740, 357.495



67, 45.366, 31.685



47, 5.680, 350.434



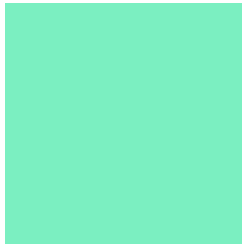
39, 66.301, 11.964



8, 28.831, 3.710

Previews

White Background



This preview shows how the CIELCh color 87, 45.206, 164.331 looks on a white background.

Color Contrast Check

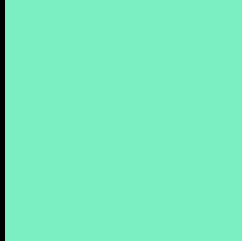
Large Text (above 18pt) WCAG AA × Fail

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 87, 45.206, 164.331 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 87, 45.206, 164.331

Background



This preview shows how black text looks on a background with the CIELCh color 87, 45.206, 164.331.

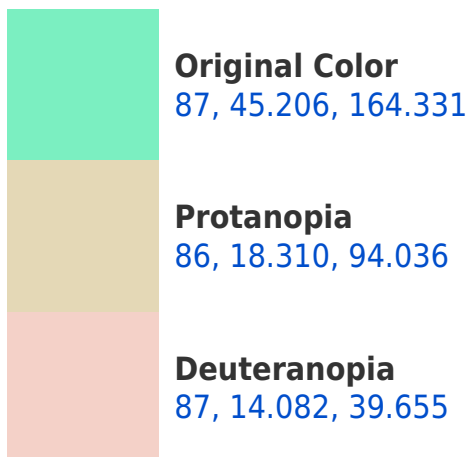


This preview shows how white text looks on a background with the CIELCh color 87, 45.206, 164.331.

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
87, 28.919, 216.920

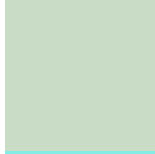
Trichromacy



Original Color
87, 45.206, 164.331



Protanomaly
86, 23.562, 140.650



Deuteranomaly
86, 13.704, 141.462



Tritanomaly
87, 31.834, 191.599

Monochromacy



Original Color
87, 45.206, 164.331



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 17.856, 167.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 45.206, 164.331 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(123, 239, 193)` looks like.

```
.text, #text, p{  
    color:rgb(123, 239, 193)  
}
```

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(123, 239, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 239, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 45.206, 164.331 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(123, 239, 193) }
```

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

```
.border{ border-color:rgb(123, 239, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 239, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 239, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 239, 193);  
box-shadow:4px 4px 4px 4px rgb(123, 239,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 45.206, 164.331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 239, 193) }
```

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

```
.background{ background-color: rgb(123,  
239, 193) }
```

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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