

Converting Colors

CIELCh(89, 35.588, 187.401)

Have a look what the booklet for
CIELCh(89, 35.588, 187.401)
contains.

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Color

CIELCh(89, 35.441, 187.730)

Conversions

Conversions Part 1

Format	Color
Hex	80F2E7
RGB	128, 242, 231
RGB Percent	50%, 95%, 91%
CMY	0.4964, 0.0493, 0.0925
CMYK	0.47, 0.00, 0.05, 0.05
HSL	174°, 82%, 73%
HSV	174°, 47%, 95%
XYZ	55.3217, 74.1641, 87.3007
YIQ	206.6600, -64.4130, -27.5890

Conversions

Conversions Part 2

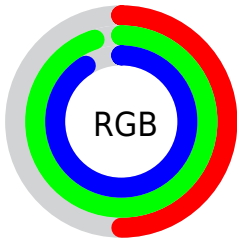
Format	Color
R_{YB}	128, 188, 242
Decimal	8450791
CIE _{Lab}	89.00, -35.12, -4.77
CIE _{LCh}	89, 35.441, 187.730
Yxy	74.1641, 0.2552, 0.3421
Android (android.graphics.Color)	4286640871 (0xFF80F2E7)
YUV	206.6600, 11.9996, -68.9848
Hunter-Lab	86.1186, -36.0410, 0.1792

Details

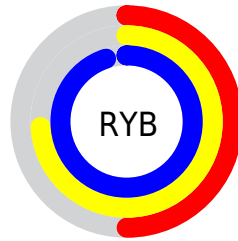
The CIELCh color **89, 35.441, 187.730** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **67, 46.774, 17.495**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.978, 198.063**, and **69, 35.236, 188.494** is the 20% darker color. If you saturate the color by 10%, you get **88, 40.890, 186.875**, and if you desaturate by 10%, it is **90, 29.090, 188.551**.

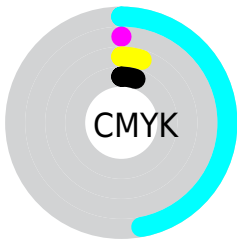
Distribution



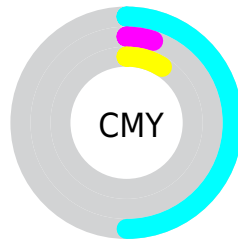
- Red (50%)
- Green (95%)
- Blue (91%)



- Red (50%)
- Yellow (74%)
- Blue (95%)



- Cyan (47%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)





- Cyan (50%)
- Magenta (5%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 35.441, 187.730 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 89, 35.441, 187.730 by changing the saturation by 10% instead.


 89, 35.441,
187.730


 89, 35.441,
187.730


 100, 35.441,
187.730


 79, 35.441,
187.730

 69, 35.441,
187.730

 59, 35.441,
187.730

 49, 35.441,
187.730

 39, 35.441,
187.730


 29, 35.441,
187.730


 19, 35.441,


187.730


 9, 35.441, 187.730


 0, 35.441, 187.730


 89, 35.441,
187.730

 89, 35.441,
187.730


 88, 40.890,
186.875


 90, 29.090,
188.551

 87, 45.337,
185.978

 91, 21.968,
189.356

 87, 48.732,
185.019

 93, 14.220,
190.156

 87, 51.095,
183.978

 94, 5.991, 190.990

 86, 52.536,

 96, 2.586, 11.413

182.844

97, 4.736, 0.478

86, 52.872,
182.498

97, 5.251, 348.086

97, 5.967, 338.297

97, 6.819, 330.794

Harmonies

Complementary

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



89, 35.441, 187.730



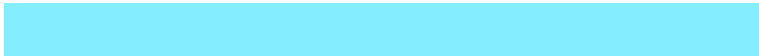
67, 46.774, 17.495

Rectangle

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



89, 35.441, 187.730



89, 35.441, 237.730



89, 35.441, 7.730



89, 35.441, 57.730

Sweetspot

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



89, 35.441, 187.728



97, 12.270, 190.397



87, 68.873, 138.502



52, 8.429, 190.222



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 35.441, 187.728



92, 42.035, 186.951



77, 30.770, 251.827



50, 4.865, 190.773



68, 43.290, 182.704



21, 18.980, 184.371

Inverse Universe

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



67, 46.774, 17.495



65, 58.928, 19.666



77, 38.697, 59.274



48, 5.112, 12.150



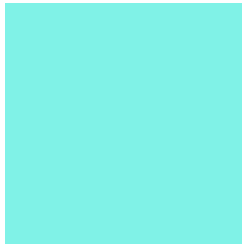
39, 78.464, 36.041



8, 30.456, 21.102

Previews

White Background



This preview shows how the CIELCh color 89, 35.441, 187.730 looks on a white background.

Color Contrast Check

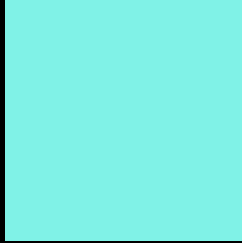
Large Text (above 18pt) WCAG AA × Fail

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 89, 35.441, 187.730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

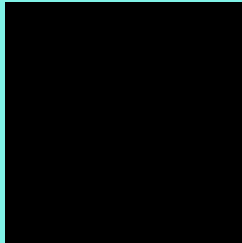
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 35.441, 187.730

Background



This preview shows how black text looks on a background with the CIELCh color 89, 35.441, 187.730.

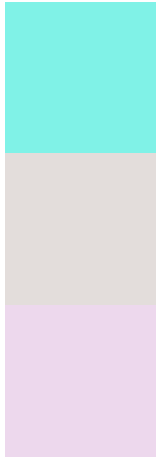


This preview shows how white text looks on a background with the CIELCh color 89, 35.441, 187.730.

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
89, 35.441, 187.730

Protanopia
89, 2.394, 45.020

Deuteranopia
89, 13.296, 324.908



Tritanopia
89, 28.473, 217.195

Trichromacy



Original Color
89, 35.441, 187.730



Protanomaly
88, 13.419, 187.270



Deuteranomaly
88, 10.509, 225.522

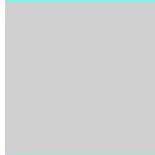


Tritanomaly
89, 30.027, 204.575

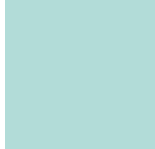
Monochromacy



Original Color
89, 35.441, 187.730



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 14.664, 190.113

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 35.441, 187.730 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(128, 242, 231)` looks like.

```
.text, #text, p{  
    color:rgb(128, 242, 231)  
}
```

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(128, 242, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 242, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 35.441, 187.730 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(128, 242, 231) }
```

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

```
.border{ border-color:rgb(128, 242, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 242, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 242, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 242, 231);  
box-shadow:4px 4px 4px 4px rgb(128, 242,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 35.441, 187.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 242, 231) }
```

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

```
.background{ background-color: rgb(128,  
242, 231) }
```

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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