

Converting Colors

CIELCh(87, 41.883, 185.062)

Have a look what the booklet for
CIELCh(87, 41.883, 185.062)
contains.

CIELCh(87, 42.061, 185.100)	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, 42.061, 185.100)

Conversions

Conversions Part 1

Format	Color
Hex	62F0E0
RGB	98, 240, 224
RGB Percent	38%, 94%, 88%
CMY	0.6175, 0.0604, 0.1231
CMYK	0.59, 0.00, 0.07, 0.06
HSL	173°, 82%, 66%
HSV	173°, 59%, 94%
XYZ	49.4239, 70.0064, 81.1418
YIQ	195.7180, -79.4960, -35.0800

Conversions

Conversions Part 2

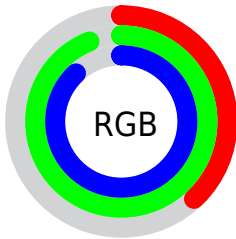
Format	Color
R _Y B	98, 173, 240
Decimal	6484192
CIE Lab	87.00, -41.89, -3.74
CIE LCh	87, 42.061, 185.100
Yxy	70.0064, 0.2464, 0.3490
Android (android.graphics.Color)	4284674272 (0xFF62F0E0)
YUV	195.7180, 13.9430, -85.6987
Hunter-Lab	83.6698, -40.9820, 1.0703

Details

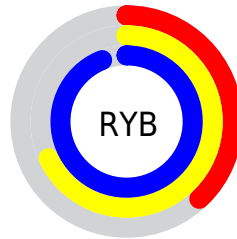
The CIELCh color **87, 42.061, 185.100** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **60, 59.272, 19.328**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 29.133, 197.623**, and **67, 41.820, 185.359** is the 20% darker color. If you saturate the color by 10%, you get **86, 46.356, 184.100**, and if you desaturate by 10%, it is **88, 36.767, 186.034**.

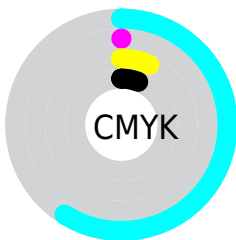
Distribution



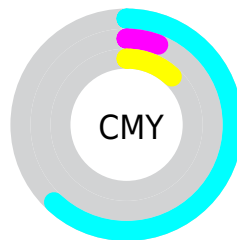
- Red (38%)
- Green (94%)
- Blue (88%)



- Red (38%)
- Yellow (68%)
- Blue (94%)



- Cyan (59%)
- Magenta (0%)
- Yellow (7%)
- Black (6%)




- Cyan (62%)
- Magenta (6%)
- Yellow (12%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 42.061, 185.100 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, 42.061, 185.100 by changing the saturation by 10% instead.

 87, 42.061,
185.100


 87, 42.061,
185.100


 100, 42.061,
185.100

 77, 42.061,
185.100

 67, 42.061,
185.100

 57, 42.061,
185.100

 47, 42.061,
185.100

 37, 42.061,
185.100

 27, 42.061,
185.100

 17, 42.061,

185.100

■ 7, 42.061, 185.100

■ 0, 42.061, 185.100

■ 87, 42.061,
185.100

■ 87, 42.061,
185.100

■ 86, 46.356,
184.100

■ 88, 36.767,
186.034

■ 86, 49.615,
183.019

■ 89, 30.566,
186.923

■ 86, 51.869,
181.836

■ 90, 23.585,
187.781

■ 85, 53.291,
180.550

■ 91, 15.966,
188.620

■ 85, 53.381,

■ 93, 7.856, 189.468

180.458

■ 95, 0.612, 9.187

■ 96, 5.693, 4.662

■ 96, 6.189, 352.253

■ 96, 6.932, 342.107

Harmonies

Complementary

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



87, 42.061, 185.100



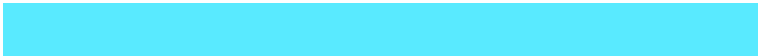
60, 59.272, 19.328

Rectangle

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



87, 42.061, 185.100



87, 42.061, 235.100



87, 42.061, 5.100



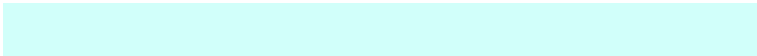
87, 42.061, 55.100

Sweetspot

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



87, 42.061, 185.099



97, 15.716, 188.723



85, 83.646, 137.090



51, 10.843, 188.479



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, 42.061, 185.099



91, 49.347, 183.897



72, 36.612, 253.052



49, 4.804, 189.452



67, 43.628, 180.694



20, 18.710, 182.671

Inverse Universe

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



60, 59.272, 19.328



59, 74.833, 23.278



71, 50.314, 56.609



47, 5.038, 10.875



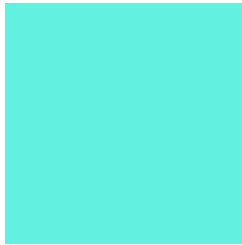
38, 76.873, 35.157



8, 29.298, 19.237

Previews

White Background



This preview shows how the CIE LCh color 87, 42.061, 185.100 looks on a white background.

Color Contrast Check

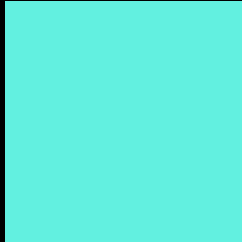
Large Text (above 18pt) WCAG AA × Fail

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, 42.061, 185.100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

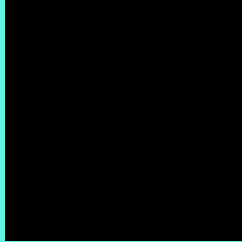
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 42.061, 185.100

Background



This preview shows how black text looks on a background with the CIELCh color 87, 42.061, 185.100.

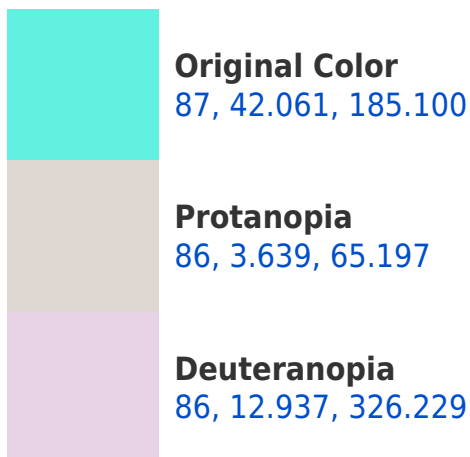


This preview shows how white text looks on a background with the CIELCh color 87, 42.061, 185.100.

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



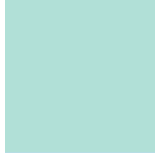


Tritanopia
87, 35.515, 213.760

Trichromacy



Original Color
87, 42.061, 185.100



Protanomaly
86, 16.976, 182.027



Deuteranomaly
86, 13.564, 214.381

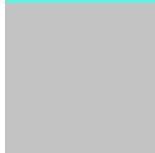


Tritanomaly
87, 37.044, 201.983

Monochromacy



Original Color
87, 42.061, 185.100



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 17.864, 187.795

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 42.061, 185.100 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(98, 240, 224)` looks like.

```
.text, #text, p{  
    color:rgb(98, 240, 224)  
}
```

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(98, 240, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 240, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 42.061, 185.100 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(98, 240, 224) }
```

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

```
.border{ border-color:rgb(98, 240, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 240, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 240, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 240, 224);  
box-shadow:4px 4px 4px 4px rgb(98, 240,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 42.061, 185.100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 240, 224) }
```

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

```
.background{ background-color: rgb(98, 240,  
224) }
```

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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