

Converting Colors

CIELCh(87, 45.652, 185.780)

Have a look what the booklet for
CIELCh(87, 45.652, 185.780)
contains.

CIELCh(87, 45.558, 185.782)	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, 45.558, 185.782)

Conversions

Conversions Part 1

Format	Color
Hex	4DF1E1
RGB	77, 241, 225
RGB Percent	30%, 95%, 88%
CMY	0.6974, 0.0544, 0.1172
CMYK	0.68, 0.00, 0.07, 0.05
HSL	174°, 86%, 62%
HSV	174°, 68%, 95%
XYZ	48.1691, 70.0064, 82.2892
YIQ	190.1400, -92.6080, -39.7440

Conversions

Conversions Part 2

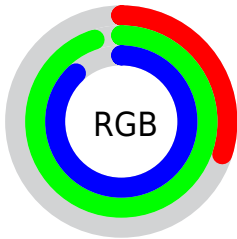
Format	Color
RYB	77, 163, 241
Decimal	5108193
CIELab	87.00, -45.33, -4.59
CIELCh	87, 45.558, 185.782
Yxy	70.0064, 0.2403, 0.3492
Android (android.graphics.Color)	4283298273 (0xFF4DF1E1)
YUV	190.1400, 17.1860, -99.2238
Hunter-Lab	83.6698, -43.6589, 0.2572

Details

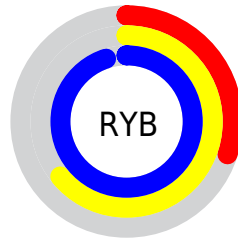
The CIELCh color **87, 45.558, 185.782** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **57, 68.933, 23.213**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.085, 197.384**, and **67, 41.972, 185.411** is the 20% darker color. If you saturate the color by 10%, you get **87, 48.847, 184.808**, and if you desaturate by 10%, it is **88, 41.222, 186.689**.

Distribution



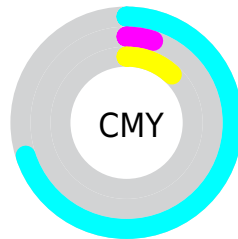
- Red (30%)
- Green (95%)
- Blue (88%)



- Red (30%)
- Yellow (64%)
- Blue (95%)



- Cyan (68%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)




- Cyan (70%)
- Magenta (5%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 45.558, 185.782 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, 45.558, 185.782 by changing the saturation by 10% instead.

 87, 45.558,
185.782

 87, 45.558,
185.782


 100, 45.558,
185.782

 77, 45.558,
185.782

 67, 45.558,
185.782

 57, 45.558,
185.782

 47, 45.558,
185.782

 37, 45.558,
185.782

 27, 45.558,
185.782

 17, 45.558,

185.782

■ 7, 45.558, 185.782

■ 0, 45.558, 185.782

■ 87, 45.558,
185.782

■ 87, 45.558,
185.782

■ 87, 48.847,
184.808

■ 88, 41.222,
186.689

■ 86, 51.113,
183.751

■ 88, 35.882,
187.550

■ 86, 52.491,
182.601

■ 90, 29.633,
188.379

■ 86, 52.719,
182.367

■ 91, 22.605,
189.188

■ 92, 14.940,

189.990

 94, 6.783, 190.817

 96, 1.731, 11.138

 96, 5.149, 3.364

 96, 5.604, 351.497

Harmonies

Complementary

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



87, 45.558, 185.782



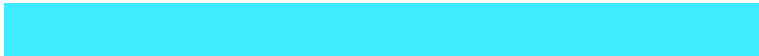
57, 68.933, 23.213

Rectangle

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



87, 45.558, 185.782



87, 45.558, 235.782



87, 45.558, 5.782



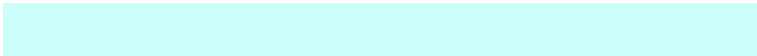
87, 45.558, 55.782

Sweetspot

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



87, 45.558, 185.781



97, 17.283, 189.824



85, 94.309, 136.704



51, 11.703, 189.599



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, 45.558, 185.781



91, 52.091, 184.370



69, 41.952, 258.471



49, 4.783, 190.689



67, 42.893, 182.583



20, 18.448, 184.350

Inverse Universe

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



57, 68.933, 23.213



56, 86.196, 28.921



69, 59.204, 57.439



47, 5.024, 12.066



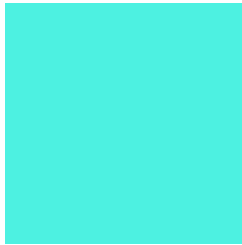
38, 77.575, 35.945



8, 29.360, 19.852

Previews

White Background



This preview shows how the CIE LCh color 87, 45.558, 185.782 looks on a white background.

Color Contrast Check

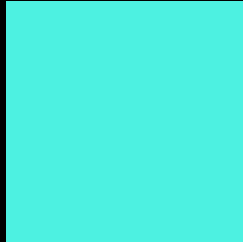
Large Text (above 18pt) WCAG AA × Fail

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, 45.558, 185.782 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, 45.558, 185.782

Background



This preview shows how black text looks on a background with the CIELCh color 87, 45.558, 185.782.

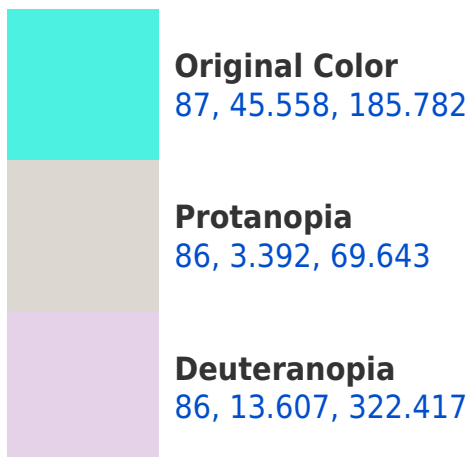


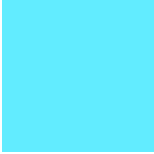
This preview shows how white text looks on a background with the CIELCh color 87, 45.558, 185.782.

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



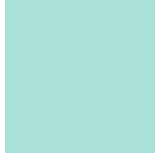


Tritanopia
87, 37.746, 212.632

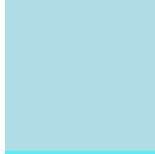
Trichromacy



Original Color
87, 45.558, 185.782



Protanomaly
85, 19.434, 183.920



Deuteranomaly
85, 16.069, 213.673

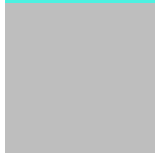


Tritanomaly
87, 39.789, 201.483

Monochromacy



Original Color
87, 45.558, 185.782



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 20.629, 188.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 45.558, 185.782 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(77, 241, 225)` looks like.

```
.text, #text, p{  
    color:rgb(77, 241, 225)  
}
```

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(77, 241, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 241, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 45.558, 185.782 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(77, 241, 225) }
```

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

```
.border{ border-color:rgb(77, 241, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 241, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 241, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 241, 225);  
box-shadow:4px 4px 4px 4px rgb(77, 241,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 45.558, 185.782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 241, 225) }
```

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

```
.background{ background-color: rgb(77, 241,  
225) }
```

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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