

Converting Colors

CIELCh(87, 37.676, 209.352)

Have a look what the booklet for
CIELCh(87, 37.676, 209.352)
contains.

CIELCh(87, 37.750, 209.261)	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, 37.750, 209.261)

Conversions

Conversions Part 1

Format	Color
Hex	63EDFC
RGB	99, 237, 252
RGB Percent	39%, 93%, 99%
CMY	0.6133, 0.0719, 0.0131
CMYK	0.61, 0.06, 0.00, 0.01
HSL	186°, 96%, 69%
HSV	186°, 61%, 99%
XYZ	52.8027, 70.0064, 102.5394
YIQ	197.4480, -87.0630, -24.5910

Conversions

Conversions Part 2

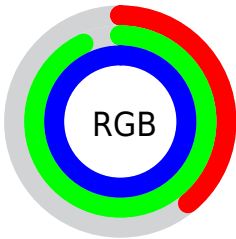
Format	Color
RYB	99, 172, 252
Decimal	6548988
CIELab	87.00, -32.93, -18.45
CIELCh	87, 37.750, 209.261
Yxy	70.0064, 0.2343, 0.3107
Android (android.graphics.Color)	4284739068 (0xFF63EDFC)
YUV	197.4480, 26.8941, -86.3389
Hunter-Lab	83.6698, -33.7736, -14.0925

Details

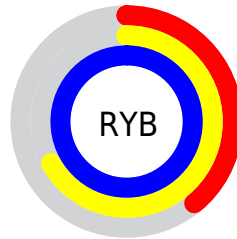
The CIELCh color **87, 37.750, 209.261** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **65, 61.917, 33.478**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.614, 197.654**, and **67, 37.395, 208.738** is the 20% darker color. If you saturate the color by 10%, you get **86, 40.853, 210.066**, and if you desaturate by 10%, it is **88, 33.599, 208.703**.

Distribution



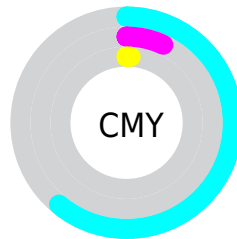
- Red (39%)
- Green (93%)
- Blue (99%)



- Red (39%)
- Yellow (67%)
- Blue (99%)



- Cyan (61%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)





- Cyan (61%)
- Magenta (7%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 37.750, 209.261 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, 37.750, 209.261 by changing the saturation by 10% instead.


 87, 37.750,
209.261


 87, 37.750,
209.261


 100, 37.750,
209.261


 77, 37.750,
209.261

 67, 37.750,
209.261

 57, 37.750,
209.261

 47, 37.750,
209.261

 37, 37.750,
209.261

 27, 37.750,
209.261

 17, 37.750,

209.261

■ 7, 37.750, 209.261

■ 0, 37.750, 209.261

■ 87, 37.750,
209.261

■ 87, 37.750,
209.261

■ 86, 40.853,
210.066

■ 88, 33.599,
208.703

■ 85, 42.894,
211.163

■ 90, 28.475,
208.358

■ 84, 43.931,
212.586

■ 92, 22.489,
208.191

■ 83, 44.194,
214.164

■ 94, 15.769,
208.171

■ 96, 8.449, 208.290

99, 0.655, 209.393

100, 1.195, 91.575

100, 1.684,
110.006

Harmonies

Complementary

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



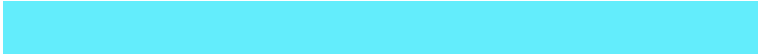
87, 37.750, 209.261



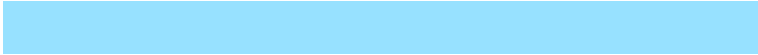
65, 61.917, 33.478

Rectangle

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



87, 37.750, 209.261



87, 37.750, 259.261



87, 37.750, 29.261



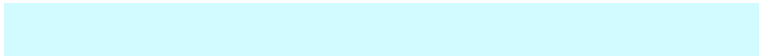
87, 37.750, 79.261

Sweetspot

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



87, 37.749, 209.260



96, 13.908, 208.190



89, 86.928, 141.125



50, 9.572, 208.171



0, 0.000, 0.000



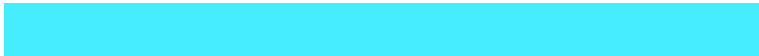
53, 0.007, 296.813

Same Dimension

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



87, 37.749, 209.260



86, 41.816, 210.285



66, 50.914, 276.808



51, 4.430, 208.318



64, 35.643, 213.817



20, 16.294, 211.372

Inverse Universe

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



66, 84.690, 330.727



63, 96.877, 331.358



80, 55.046, 75.494



49, 8.330, 327.739



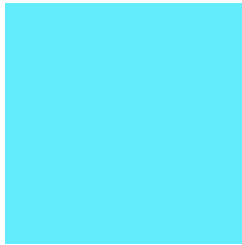
44, 85.329, 332.569



11, 38.982, 331.970

Previews

White Background



This preview shows how the CIE LCh color 87, 37.750, 209.261 looks on a white background.

Color Contrast Check

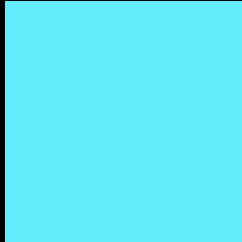
Large Text (above 18pt) WCAG AA × Fail

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, 37.750, 209.261 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, 37.750, 209.261

Background



This preview shows how black text looks on a background with the CIELCh color 87, 37.750, 209.261.

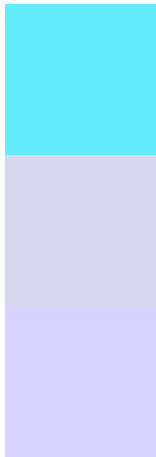


This preview shows how white text looks on a background with the CIELCh color 87, 37.750, 209.261.

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](#).

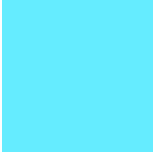
Dichromacy



Original Color
87, 37.750, 209.261

Protanopia
87, 12.063, 289.554

Deuteranopia
87, 22.671, 296.254

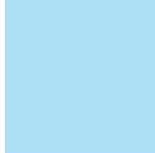


Tritanopia
87, 37.260, 212.865

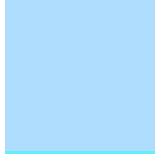
Trichromacy



Original Color
87, 37.750, 209.261



Protanomaly
86, 19.150, 231.931



Deuteranomaly
86, 22.324, 250.001

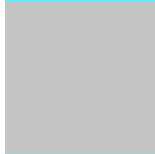


Tritanomaly
87, 37.404, 211.941

Monochromacy



Original Color
87, 37.750, 209.261



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 16.912, 209.202

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 37.750, 209.261 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(99, 237, 252)` looks like.

```
.text, #text, p{  
    color:rgb(99, 237, 252)  
}
```

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(99, 237, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 237, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 37.750, 209.261 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(99, 237, 252) }
```

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

```
.border{ border-color:rgb(99, 237, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 237, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 237, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 237, 252);  
box-shadow:4px 4px 4px 4px rgb(99, 237,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 37.750, 209.261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 237, 252) }
```

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

```
.background{ background-color: rgb(99, 237,  
252) }
```

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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