

Converting Colors

CIELCh(88, 37.752, 209.940)

Have a look what the booklet for
CIELCh(88, 37.752, 209.940)
contains.

CIELCh(88, 37.640, 210.132)	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(88, 37.640, 210.132)

Conversions

Conversions Part 1

Format	Color
Hex	66EFFF
RGB	102, 239, 255
RGB Percent	40%, 94%, 100%
CMY	0.5981, 0.0612, 0.0000
CMYK	0.60, 0.06, 0.00, 0.00
HSL	186°, 100%, 70%
HSV	186°, 60%, 100%
XYZ	54.6308, 72.0653, 105.9782
YIQ	199.8610, -86.7880, -24.0680

Conversions

Conversions Part 2

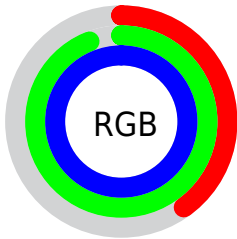
Format	Color
RYB	102, 174, 255
Decimal	6746111
CIELab	88.00, -32.55, -18.90
CIELCh	88, 37.640, 210.132
Yxy	72.0653, 0.2348, 0.3097
Android (android.graphics.Color)	4284936191 (0xFF66EFFF)
YUV	199.8610, 27.1835, -85.8241
Hunter-Lab	84.8913, -33.6880, -14.5937

Details

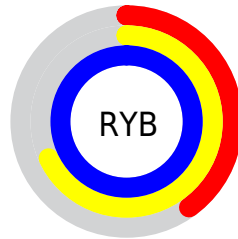
The CIELCh color **88, 37.640, 210.132** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **66, 61.199, 33.581**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.824, 197.702**, and **68, 37.670, 209.509** is the 20% darker color. If you saturate the color by 10%, you get **87, 40.871, 210.625**, and if you desaturate by 10%, it is **90, 33.359, 209.216**.

Distribution



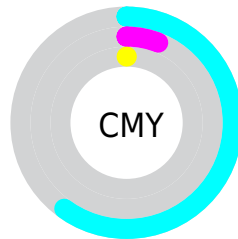
- Red (40%)
- Green (94%)
- Blue (100%)



- Red (40%)
- Yellow (68%)
- Blue (100%)



- Cyan (60%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (6%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 37.640, 210.132 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 88, 37.640, 210.132 by changing the saturation by 10% instead.


 88, 37.640,
210.132


 88, 37.640,
210.132


 100, 37.640,
210.132


 78, 37.640,
210.132

 68, 37.640,
210.132

 58, 37.640,
210.132

 48, 37.640,
210.132

 38, 37.640,
210.132


 28, 37.640,
210.132


 18, 37.640,


210.132


 8, 37.640, 210.132


 0, 37.640, 210.132


 88, 37.640,
210.132

 88, 37.640,
210.132


 87, 40.871,
210.625

 90, 33.359,
209.216


 85, 43.029,
211.756

 91, 28.107,
208.856

 84, 44.167,
213.224

 93, 21.999,
208.675

 84, 44.490,
215.023

 95, 15.165,
208.646

 84, 44.493,

 98, 7.740, 208.759

215.057

100, 0.012,
296.813

Harmonies

Complementary

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



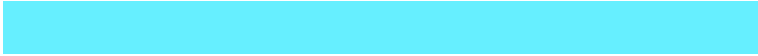
88, 37.640, 210.132



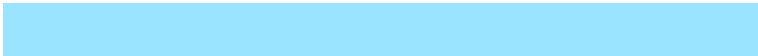
66, 61.199, 33.581

Rectangle

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



88, 37.640, 210.132



88, 37.640, 260.132



88, 37.640, 30.132



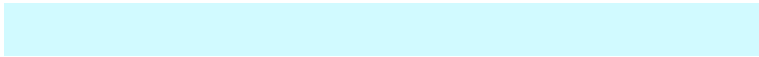
88, 37.640, 80.132

Sweetspot

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



88, 37.640, 209.792



96, 13.858, 208.655



90, 85.696, 141.699



50, 9.538, 208.642



0, 0.000, 0.000



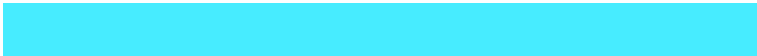
53, 0.007, 296.813

Same Dimension

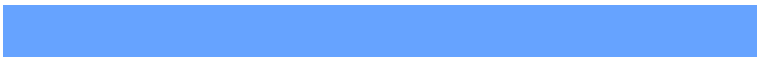
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 37.640, 209.792



86, 41.433, 210.845



67, 51.862, 277.962



52, 4.488, 208.766



64, 35.883, 214.697



21, 16.670, 212.237

Inverse Universe

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



67, 84.252, 330.828



63, 95.820, 331.473



82, 55.057, 77.157



50, 8.444, 327.871



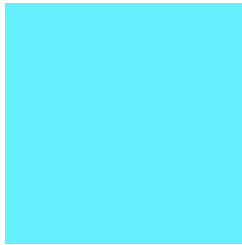
44, 85.892, 332.785



12, 39.898, 332.182

Previews

White Background



This preview shows how the CIE LCh color 88, 37.640, 210.132 looks on a white background.

Color Contrast Check

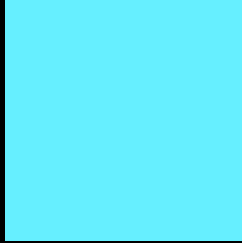
Large Text (above 18pt) WCAG AA × Fail

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 88, 37.640, 210.132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

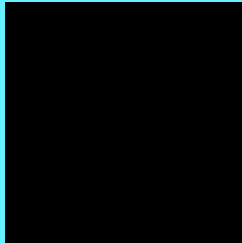
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 37.640, 210.132

Background



This preview shows how black text looks on a background with the CIELCh color 88, 37.640, 210.132.

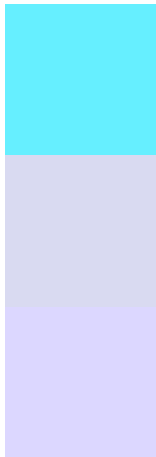


This preview shows how white text looks on a background with the CIELCh color 88, 37.640, 210.132.

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
88, 37.640, 210.132

Protanopia
88, 12.032, 289.540

Deuteranopia
88, 21.050, 296.453

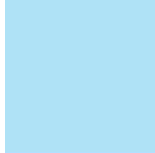


Tritanopia
88, 34.013, 213.629

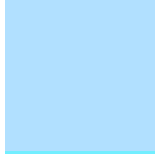
Trichromacy



Original Color
88, 37.640, 210.132



Protanomaly
87, 19.126, 231.889



Deuteranomaly
87, 21.567, 247.882

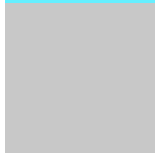


Tritanomaly
88, 35.331, 212.027

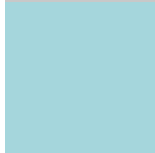
Monochromacy



Original Color
88, 37.640, 210.132



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 16.588, 209.419

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 37.640, 210.132 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(102, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 239, 255)  
}
```

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(102, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 239, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 37.640, 210.132 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(102, 239, 255) }
```

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

```
.border{ border-color:rgb(102, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 239,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 37.640, 210.132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 239, 255) }
```

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

```
.background{ background-color: rgb(102,  
239, 255) }
```

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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