

Converting Colors

CIELCh(84, 55.707, 268.265)

Have a look what the booklet for
CIELCh(84, 55.707, 268.265)
contains.

CIELCh(82, 34.437, 235.146)	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(82, 34.437, 235.146)

Conversions

Conversions Part 1

Format	Color
Hex	70D9FF
RGB	112, 217, 255
RGB Percent	44%, 85%, 100%
CMY	0.5608, 0.1494, 0.0000
CMYK	0.56, 0.15, 0.00, 0.00
HSL	196°, 100%, 72%
HSV	196°, 56%, 100%
XYZ	49.6686, 60.2982, 104.4132
YIQ	189.9370, -74.7780, -10.4420

Conversions

Conversions Part 2

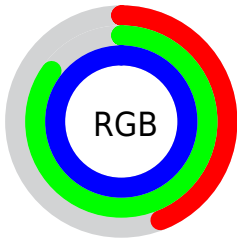
Format	Color
RYB	112, 173, 255
Decimal	7395839
CIELab	82.00, -19.68, -28.26
CIELCh	82, 34.437, 235.146
Yxy	60.2982, 0.2317, 0.2813
Android (android.graphics.Color)	4285585919 (0xFF70D9FF)
YUV	189.9370, 32.0761, -68.3507
Hunter-Lab	77.6519, -21.7167, -25.3668

Details

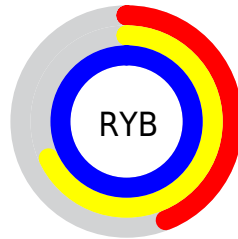
The CIELCh color **82, 34.437, 235.146** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **72, 51.427, 45.899**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 25.937, 197.818**, and **62, 34.158, 234.148** is the 20% darker color. If you saturate the color by 10%, you get **79, 38.239, 236.950**, and if you desaturate by 10%, it is **85, 29.469, 232.310**.

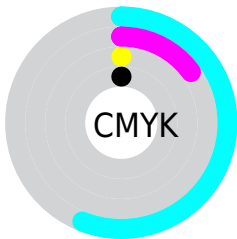
Distribution



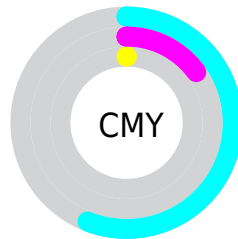
- Red (44%)
- Green (85%)
- Blue (100%)



- Red (44%)
- Yellow (68%)
- Blue (100%)



- Cyan (56%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 34.437, 235.146 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 82, 34.437, 235.146 by changing the saturation by 10% instead.

 82, 34.437,
235.146


 82, 34.437,
235.146


 100, 34.437,
235.146


 72, 34.437,
235.146

 62, 34.437,
235.146

 52, 34.437,
235.146

 42, 34.437,
235.146

 32, 34.437,
235.146

 22, 34.437,
235.146

 12, 34.437,

235.146

■ 2, 34.437, 235.146

■ 0, 34.437, 235.146

■ 82, 34.437,
235.146

■ 82, 34.437,
235.146

■ 79, 38.239,
236.950

■ 85, 29.469,
232.310

■ 77, 41.502,
240.182

■ 88, 24.017,
230.714

■ 74, 44.096,
244.117

■ 91, 17.958,
229.483

■ 72, 46.196,
248.746

■ 94, 11.390,
228.551

■ 71, 46.984,

■ 98, 4.409, 227.910

250.657

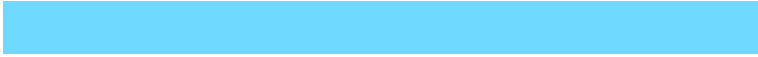
100, 0.012,

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.



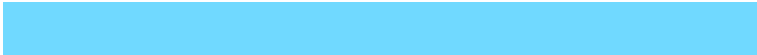
82, 34.437, 235.146



72, 51.427, 45.899

Rectangle

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



82, 34.437, 235.146



82, 34.437, 285.146



82, 34.437, 55.146



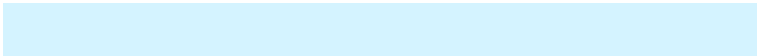
82, 34.437, 105.146

Sweetspot

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



82, 34.228, 234.357



94, 12.016, 228.626



90, 72.795, 146.840



49, 7.994, 228.796



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 34.228, 234.357



79, 38.572, 237.221



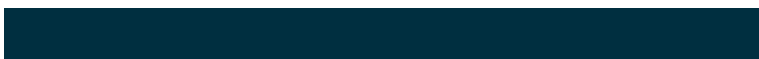
63, 60.030, 287.632



51, 4.094, 228.087



55, 37.613, 249.729



17, 16.694, 243.097

Inverse Universe

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



68, 71.717, 337.255



64, 82.053, 338.330



89, 56.508, 90.078



50, 7.518, 333.566



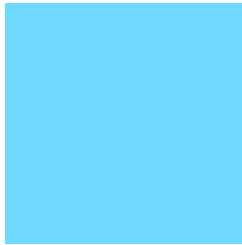
43, 75.981, 342.526



11, 35.747, 340.362

Previews

White Background



This preview shows how the CIE LCh color 82, 34.437, 235.146 looks on a white background.

Color Contrast Check

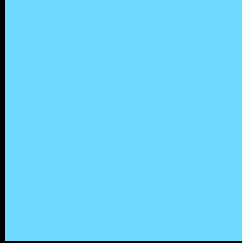
Large Text (above 18pt) WCAG AA × Fail

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 82, 34.437, 235.146 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 82, 34.437, 235.146

Background



This preview shows how black text looks on a background with the CIELCh color 82, 34.437, 235.146.



This preview shows how white text looks on a background with the CIELCh color 82, 34.437, 235.146.

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
82, 33.345, 214.154

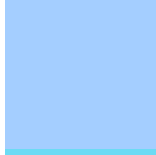
Trichromacy



Original Color
82, 34.224, 234.248



Protanomaly
81, 25.074, 259.657



Deuteranomaly
81, 28.511, 265.531

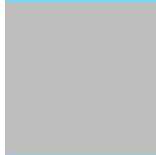


Tritanomaly
82, 33.123, 221.341

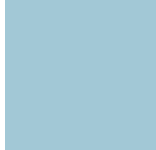
Monochromacy



Original Color
82, 34.224, 234.248



Achromatopsia
77, 0.009, 296.813



Achromatomaly
78, 14.601, 229.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 34.437, 235.146 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(112, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 217, 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(112, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 217, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 34.437, 235.146 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(112, 217, 255) }
```

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

```
.border{ border-color:rgb(112, 217, 255) }
```

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

Here you see how a box with a 4 pixel rgb(112, 217, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 217,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 34.437, 235.146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 217, 255) }
```

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

```
.background{ background-color: rgb(112,  
217, 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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