

Converting Colors

CIELCh(82, 41.744, 246.869)

Have a look what the booklet for
CIELCh(82, 41.744, 246.869)
contains.

CIELCh(81, 36.648, 232.440)	3
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Color

CIELCh(81, 36.648, 232.440)

Conversions

Conversions Part 1

Format	Color
Hex	5FD7FE
RGB	95, 215, 254
RGB Percent	37%, 84%, 100%
CMY	0.6260, 0.1550, 0.0022
CMYK	0.63, 0.15, 0.00, 0.00
HSL	195°, 99%, 69%
HSV	195°, 63%, 100%
XYZ	47.1340, 58.4711, 102.9398
YIQ	183.5660, -84.0390, -13.3110

Conversions

Conversions Part 2

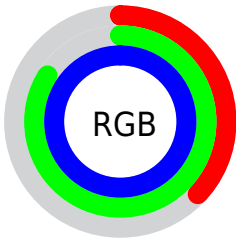
Format	Color
RYB	95, 163, 254
Decimal	6281214
CIELab	81.00, -22.34, -29.05
CIELCh	81, 36.648, 232.440
Yxy	58.4711, 0.2260, 0.2804
Android (android.graphics.Color)	4284471294 (0xFF5FD7FE)
YUV	183.5660, 34.7240, -77.6724
Hunter-Lab	76.4664, -23.7885, -26.2903

Details

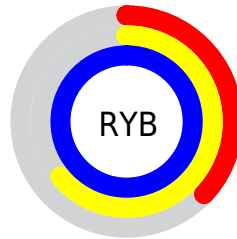
The CIELCh color **81, 36.648, 232.440** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **69, 59.206, 44.257**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.647, 197.591**, and **61, 36.008, 233.085** is the 20% darker color. If you saturate the color by 10%, you get **79, 39.984, 235.202**, and if you desaturate by 10%, it is **84, 32.499, 230.257**.

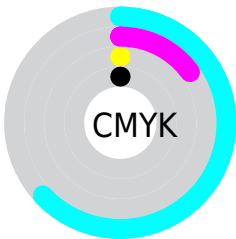
Distribution



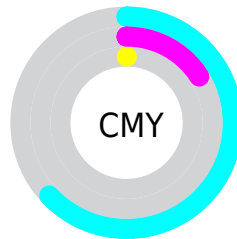
- Red (37%)
- Green (84%)
- Blue (100%)



- Red (37%)
- Yellow (64%)
- Blue (100%)



- Cyan (63%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (63%)
- Magenta (16%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 36.648, 232.440 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 81, 36.648, 232.440 by changing the saturation by 10% instead.


 81, 36.648,
232.440


 81, 36.648,
232.440


 100, 36.648,
232.440


 71, 36.648,
232.440


 61, 36.648,
232.440

 51, 36.648,
232.440

 41, 36.648,
232.440

 31, 36.648,
232.440

 21, 36.648,
232.440

 11, 36.648,

232.440

■ 1, 36.648, 232.440

■ 0, 36.648, 232.440

■ 81, 36.648,
232.440

■ 81, 36.648,
232.440

■ 79, 39.984,
235.202

■ 84, 32.499,
230.257

■ 76, 42.548,
238.630

■ 86, 27.573,
228.559

■ 74, 44.470,
242.763

■ 89, 21.945,
227.256

■ 73, 45.669,
246.218

■ 92, 15.714,
226.272

■ 96, 8.983, 225.554

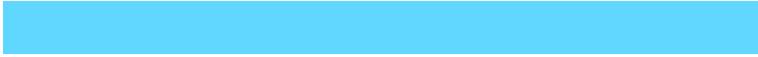
99, 1.854, 225.270

100, 0.271,
109.872

Harmonies

Complementary

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



81, 36.648, 232.440



69, 59.206, 44.257

Rectangle

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



81, 36.648, 232.440



81, 36.648, 282.440



81, 36.648, 52.440



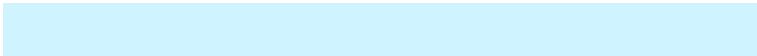
81, 36.648, 102.440

Sweetspot

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



81, 36.647, 232.439



94, 13.419, 225.990



90, 80.884, 145.327



49, 9.158, 226.217



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 36.647, 232.439



78, 40.758, 235.990



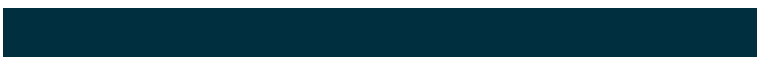
60, 65.924, 288.467



51, 4.117, 225.390



56, 36.676, 245.337



18, 16.438, 239.061

Inverse Universe

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



65, 79.084, 336.864



61, 89.023, 338.099



87, 61.781, 87.923



50, 7.634, 332.745



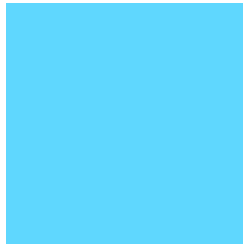
43, 77.117, 341.066



11, 36.237, 339.153

Previews

White Background



This preview shows how the CIE LCh color 81, 36.648, 232.440 looks on a white background.

Color Contrast Check

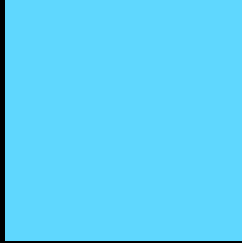
Large Text (above 18pt) WCAG AA × Fail

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 81, 36.648, 232.440 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 81, 36.648, 232.440

Background



This preview shows how black text looks on a background with the CIELCh color 81, 36.648, 232.440.

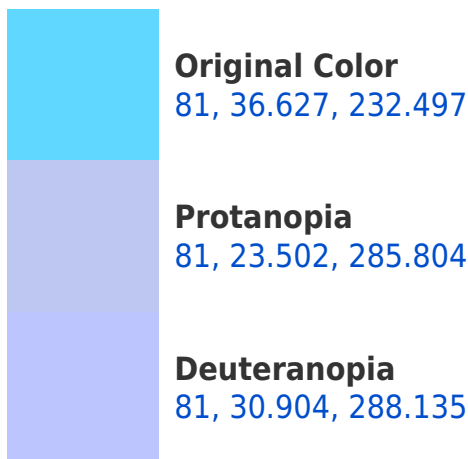


This preview shows how white text looks on a background with the CIELCh color 81, 36.648, 232.440.

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
81, 36.205, 211.737

Trichromacy



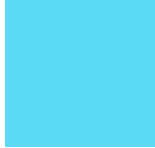
Original Color
81, 36.627, 232.497



Protanomaly
80, 26.680, 258.513



Deuteranomaly
80, 30.271, 263.333

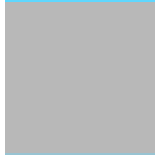


Tritanomaly
81, 35.920, 219.242

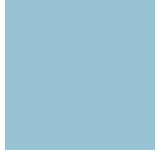
Monochromacy



Original Color
81, 36.627, 232.497



Achromatopsia
75, 0.009, 296.813



Achromatomaly
76, 16.201, 228.553

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 36.648, 232.440 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(95, 215, 254)` looks like.

```
.text, #text, p{  
    color:rgb(95, 215, 254)  
}
```

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(95, 215, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 215, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 36.648, 232.440 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(95, 215, 254) }
```

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

```
.border{ border-color:rgb(95, 215, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 215, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 215, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 215, 254);  
box-shadow:4px 4px 4px 4px rgb(95, 215,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 36.648, 232.440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 215, 254) }
```

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

```
.background{ background-color: rgb(95, 215,  
254) }
```

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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