

Converting Colors

CIELCh(82, 36.488, 231.411)

Have a look what the booklet for
CIELCh(82, 36.488, 231.411)
contains.

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Color

CIELCh(82, 36.312, 230.675)

Conversions

Conversions Part 1

Format	Color
Hex	63DBFF
RGB	99, 219, 255
RGB Percent	39%, 86%, 100%
CMY	0.6132, 0.1430, 0.0000
CMYK	0.61, 0.14, 0.00, 0.00
HSL	194°, 100%, 69%
HSV	194°, 61%, 100%
XYZ	48.4462, 60.2982, 104.1438
YIQ	187.2240, -83.0760, -14.2440

Conversions

Conversions Part 2

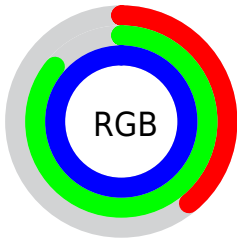
Format	Color
R_{YB}	99, 167, 255
Decimal	6544383
CIE _{Lab}	82.00, -23.01, -28.09
CIE _{LCh}	82, 36.312, 230.675
Yxy	60.2982, 0.2276, 0.2832
Android (android.graphics.Color)	4284734463 (0xFF63DBFF)
YUV	187.2240, 33.4136, -77.3724
Hunter-Lab	77.6519, -24.5266, -25.1612

Details

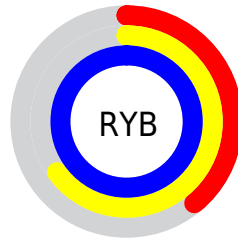
The CIELCh color **82, 36.312, 230.675** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **69, 58.281, 43.259**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 28.874, 197.638**, and **62, 36.009, 229.559** is the 20% darker color. If you saturate the color by 10%, you get **80, 39.571, 232.782**, and if you desaturate by 10%, it is **85, 32.018, 228.224**.

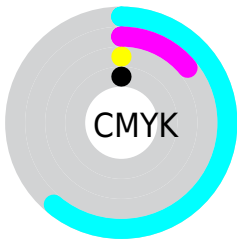
Distribution



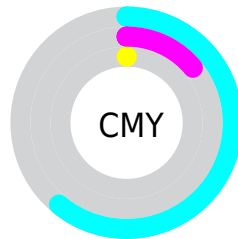
- Red (39%)
- Green (86%)
- Blue (100%)



- Red (39%)
- Yellow (65%)
- Blue (100%)



- Cyan (61%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (14%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 36.312, 230.675 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, 36.312, 230.675 by changing the saturation by 10% instead.


 82, 36.312,
230.675


 82, 36.312,
230.675


 100, 36.312,
230.675


 72, 36.312,
230.675

 62, 36.312,
230.675

 52, 36.312,
230.675

 42, 36.312,
230.675

 32, 36.312,
230.675

 22, 36.312,
230.675

 12, 36.312,

230.675

■ 2, 36.312, 230.675

■ 0, 36.312, 230.675

■ 82, 36.312,
230.675

■ 82, 36.312,
230.675

■ 80, 39.571,
232.782

■ 85, 32.018,
228.224

■ 77, 42.110,
235.975

■ 87, 27.026,
226.678

■ 75, 43.944,
239.864

■ 90, 21.321,
225.503

■ 74, 45.179,
243.715

■ 93, 15.008,
224.627

■ 96, 8.195, 224.005

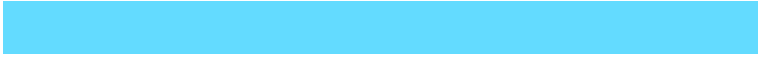
100, 0.983,
224.101

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, 36.312, 230.675



69, 58.281, 43.259

Rectangle

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



82, 36.312, 230.675



82, 36.312, 280.675



82, 36.312, 50.675



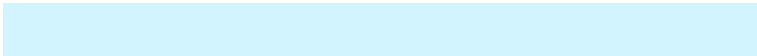
82, 36.312, 100.675

Sweetspot

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



82, 36.214, 230.227



94, 12.794, 224.393



90, 80.695, 144.960



49, 8.815, 224.597



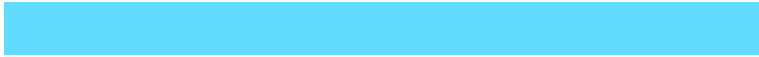
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 36.214, 230.227



79, 40.328, 233.571



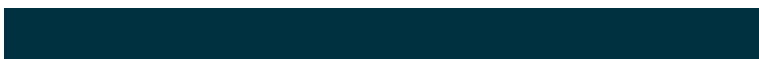
61, 63.151, 287.080



52, 4.134, 223.921



57, 36.249, 242.856



18, 16.330, 236.812

Inverse Universe

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



66, 78.685, 336.218



62, 89.078, 337.400



86, 60.128, 86.801



50, 7.698, 332.304



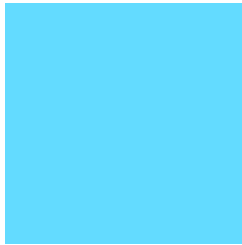
43, 77.765, 340.288



11, 36.515, 338.507

Previews

White Background



This preview shows how the CIE LCh color 82, 36.312, 230.675 looks on a white background.

Color Contrast Check

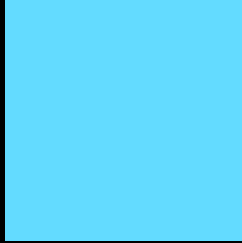
Large Text (above 18pt) WCAG AA × Fail

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, 36.312, 230.675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

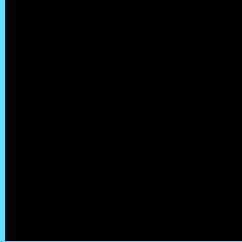
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 36.312, 230.675

Background



This preview shows how black text looks on a background with the CIELCh color 82, 36.312, 230.675.



This preview shows how white text looks on a background with the CIELCh color 82, 36.312, 230.675.

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, 35.971, 212.734

Trichromacy



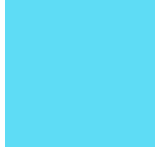
Original Color
82, 36.155, 229.786



Protanomaly
81, 25.394, 256.096



Deuteranomaly
81, 29.105, 263.008

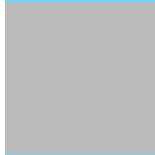


Tritanomaly
82, 35.671, 219.387

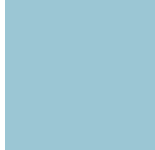
Monochromacy



Original Color
82, 36.155, 229.786



Achromatopsia
76, 0.009, 296.813



Achromatomaly
77, 15.968, 226.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 36.312, 230.675 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, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 219, 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(99, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 219, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 36.312, 230.675 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, 219, 255) }
```

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

```
.border{ border-color:rgb(99, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 219,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 36.312, 230.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 219, 255) }
```

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

```
.background{ background-color: rgb(99, 219,  
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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