

Converting Colors

CIELCh(82, 29.205, 232.535)

Have a look what the booklet for
CIELCh(82, 29.205, 232.535)
contains.

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Color

CIELCh(82, 29.169, 232.613)

Conversions

Conversions Part 1

Format	Color
Hex	82D7F6
RGB	130, 215, 246
RGB Percent	51%, 84%, 96%
CMY	0.4883, 0.1551, 0.0335
CMYK	0.47, 0.13, 0.00, 0.03
HSL	196°, 87%, 74%
HSV	196°, 47%, 97%
XYZ	50.4006, 60.2982, 96.5463
YIQ	193.1190, -60.6110, -8.3790

Conversions

Conversions Part 2

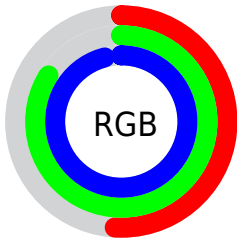
Format	Color
R _Y B	130, 179, 246
Decimal	8574966
CIE Lab	82.00, -17.71, -23.18
CIE LCh	82, 29.169, 232.613
Yxy	60.2982, 0.2432, 0.2910
Android (android.graphics.Color)	4286765046 (0xFF82D7F6)
YUV	193.1190, 26.0703, -55.3554
Hunter-Lab	77.6519, -20.0339, -19.3602

Details

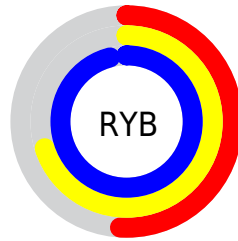
The CIELCh color **82, 29.169, 232.613** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **74, 40.510, 45.945**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 21.687, 198.082**, and **62, 29.307, 233.140** is the 20% darker color. If you saturate the color by 10%, you get **79, 33.739, 234.707**, and if you desaturate by 10%, it is **85, 23.920, 230.974**.

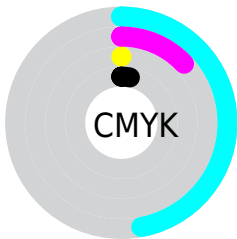
Distribution



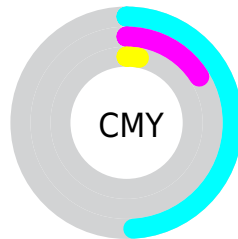
- Red (51%)
- Green (84%)
- Blue (96%)



- Red (51%)
- Yellow (70%)
- Blue (96%)



- Cyan (47%)
- Magenta (13%)
- Yellow (0%)
- Black (3%)





- Cyan (49%)
- Magenta (16%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 29.169, 232.613 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, 29.169, 232.613 by changing the saturation by 10% instead.


 82, 29.169,
232.613


 82, 29.169,
232.613


 100, 29.169,
232.613


 72, 29.169,
232.613

 62, 29.169,
232.613

 52, 29.169,
232.613

 42, 29.169,
232.613

 32, 29.169,
232.613

 22, 29.169,
232.613

 12, 29.169,

232.613

■ 2, 29.169, 232.613

■ 0, 29.169, 232.613

■ 82, 29.169,
232.613

■ 82, 29.169,
232.613

■ 79, 33.739,
234.707

■ 85, 23.920,
230.974

■ 77, 37.583,
237.356

■ 88, 18.076,
229.709

■ 74, 40.707,
240.650

■ 91, 11.729,
228.747

■ 72, 43.194,
244.647

■ 95, 4.973, 228.067

■ 70, 45.228,

■ 98, 2.104, 47.086

249.324

100, 4.312,
109.800

69, 45.814,
250.743

100, 4.316,
109.838

Harmonies

Complementary

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



82, 29.169, 232.613



74, 40.510, 45.945

Rectangle

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



82, 29.169, 232.613



82, 29.169, 282.613



82, 29.169, 52.613



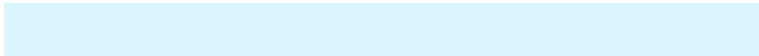
82, 29.169, 102.613

Sweetspot

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



82, 29.168, 232.611



95, 9.970, 228.508



89, 59.566, 148.653



50, 6.846, 228.675



0, 0.000, 0.000



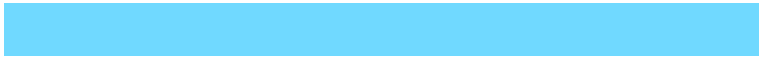
53, 0.007, 296.813

Same Dimension

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



82, 29.168, 232.611



82, 34.202, 234.483



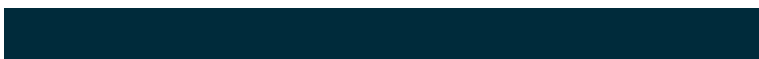
66, 49.413, 286.298



49, 3.958, 228.200



53, 36.883, 249.811



16, 15.771, 242.494

Inverse Universe

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



70, 59.845, 336.484



68, 71.594, 337.290



88, 46.958, 92.491



48, 7.266, 333.599



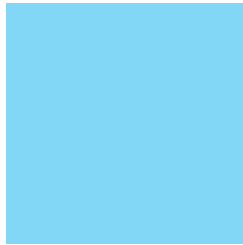
42, 74.446, 342.554



10, 33.928, 340.177

Previews

White Background



This preview shows how the CIE LCh color 82, 29.169, 232.613 looks on a white background.

Color Contrast Check

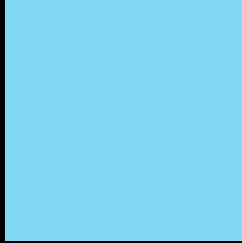
Large Text (above 18pt) WCAG AA × Fail

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, 29.169, 232.613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

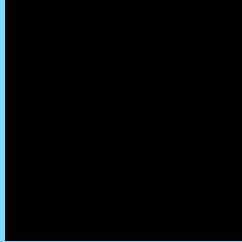
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 29.169, 232.613

Background



This preview shows how black text looks on a background with the CIELCh color 82, 29.169, 232.613.

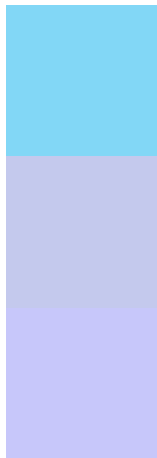


This preview shows how white text looks on a background with the CIELCh color 82, 29.169, 232.613.

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

82, 29.169, 232.613

Protanopia

82, 19.150, 286.813

Deuteranopia

82, 27.089, 292.514

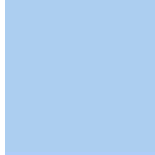


Tritanopia
82, 28.196, 217.672

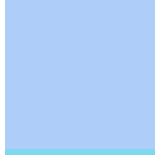
Trichromacy



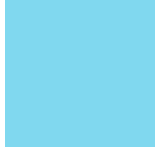
Original Color
82, 29.169, 232.613



Protanomaly
81, 20.761, 259.843



Deuteranomaly
82, 24.976, 269.044

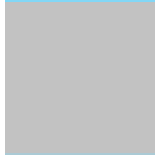


Tritanomaly
82, 28.334, 223.546

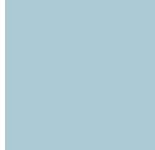
Monochromacy



Original Color
82, 29.169, 232.613



Achromatopsia
78, 0.009, 296.813



Achromatomaly
79, 11.971, 228.244

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 29.169, 232.613 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(130, 215, 246)` looks like.

```
.text, #text, p{  
    color:rgb(130, 215, 246)  
}
```

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(130, 215, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 215, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 29.169, 232.613 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(130, 215, 246) }
```

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

```
.border{ border-color:rgb(130, 215, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 215, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 215, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 215, 246);  
box-shadow:4px 4px 4px 4px rgb(130, 215,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 29.169, 232.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 215, 246) }
```

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

```
.background{ background-color: rgb(130,  
215, 246) }
```

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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