

Converting Colors

CIELCh(82, 30.248, 227.956)

Have a look what the booklet for
CIELCh(82, 30.248, 227.956)
contains.

CIELCh(82, 30.335, 227.373)	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, 30.335, 227.373)

Conversions

Conversions Part 1

Format	Color
Hex	7BD9F5
RGB	123, 217, 245
RGB Percent	48%, 85%, 96%
CMY	0.5185, 0.1498, 0.0400
CMYK	0.50, 0.11, 0.00, 0.04
HSL	194°, 86%, 72%
HSV	194°, 50%, 96%
XYZ	49.3499, 60.2982, 95.2610
YIQ	192.0860, -65.0120, -11.2200

Conversions

Conversions Part 2

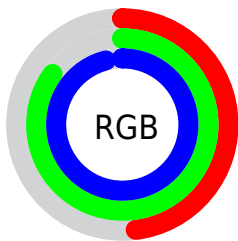
Format	Color
RYB	123, 176, 245
Decimal	8116725
CIELab	82.00, -20.54, -22.32
CIELCh	82, 30.335, 227.373
Yxy	60.2982, 0.2408, 0.2943
Android (android.graphics.Color)	4286306805 (0xFF7BD9F5)
YUV	192.0860, 26.0866, -60.5884
Hunter-Lab	77.6519, -22.4493, -18.3788

Details

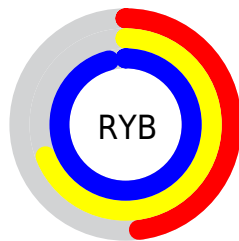
The CIELCh color **82, 30.335, 227.373** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **71, 43.934, 42.463**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 23.419, 197.974**, and **62, 30.360, 227.708** is the 20% darker color. If you saturate the color by 10%, you get **80, 34.507, 229.253**, and if you desaturate by 10%, it is **85, 25.396, 225.925**.

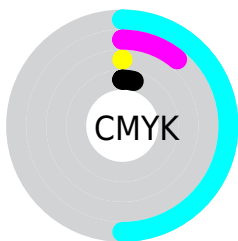
Distribution



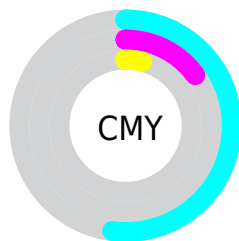
- Red (48%)
- Green (85%)
- Blue (96%)



- Red (48%)
- Yellow (69%)
- Blue (96%)



- Cyan (50%)
- Magenta (11%)
- Yellow (0%)
- Black (4%)





- Cyan (52%)
- Magenta (15%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 30.335, 227.373 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, 30.335, 227.373 by changing the saturation by 10% instead.


 82, 30.335,
227.373


 82, 30.335,
227.373


 100, 30.335,
227.373


 72, 30.335,
227.373

 62, 30.335,
227.373

 52, 30.335,
227.373

 42, 30.335,
227.373

 32, 30.335,
227.373

 22, 30.335,
227.373

 12, 30.335,

227.373

■ 2, 30.335, 227.373

■ 0, 30.335, 227.373

■ 82, 30.335,
227.373

■ 82, 30.335,
227.373

■ 80, 34.507,
229.253

■ 85, 25.396,
225.925

■ 77, 37.864,
231.662

■ 87, 19.780,
224.830

■ 75, 40.414,
234.688

■ 90, 13.588,
224.021

■ 73, 42.246,
238.397

■ 93, 6.925, 223.460

■ 71, 43.599,

■ 97, 0.114, 37.448

242.715

99, 3.288, 80.950

71, 43.621,
242.785

100, 5.162,
109.777

Harmonies

Complementary

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



82, 30.335, 227.373



71, 43.934, 42.463

Rectangle

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



82, 30.335, 227.373



82, 30.335, 277.373



82, 30.335, 47.373



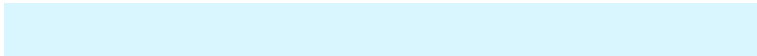
82, 30.335, 97.373

Sweetspot

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



82, 30.334, 227.371



95, 10.766, 223.720



88, 64.900, 146.567



50, 7.302, 223.846



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, 30.334, 227.371



82, 35.704, 229.315



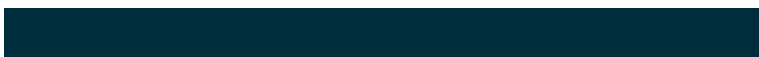
66, 48.883, 283.862



50, 4.004, 223.446



55, 35.392, 241.952



17, 15.415, 235.398

Inverse Universe

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



68, 64.267, 335.087



66, 77.573, 335.933



86, 47.517, 88.452



48, 7.465, 332.160



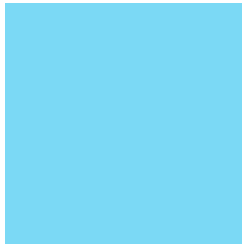
42, 76.449, 340.012



10, 34.753, 338.109

Previews

White Background



This preview shows how the CIELCh color 82, 30.335, 227.373 looks on a white background.

Color Contrast Check

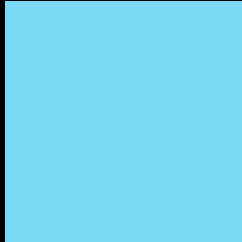
Large Text (above 18pt) WCAG AA × Fail

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, 30.335, 227.373 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, 30.335, 227.373

Background



This preview shows how black text looks on a background with the CIELCh color 82, 30.335, 227.373.



This preview shows how white text looks on a background with the CIELCh color 82, 30.335, 227.373.

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, 30.335, 227.373

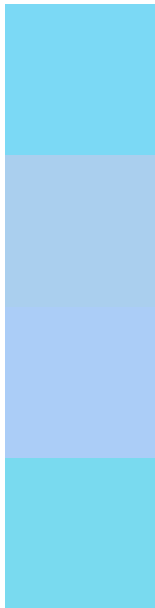
Protanopia
82, 17.546, 287.281

Deuteranopia
82, 26.560, 292.470



Tritanopia
82, 29.937, 216.352

Trichromacy



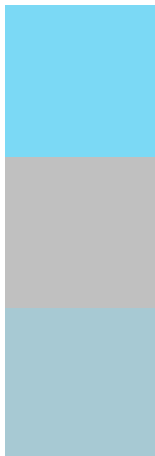
Original Color
82, 30.335, 227.373

Protanomaly
81, 19.964, 254.796

Deuteranomaly
81, 24.376, 265.894

Tritanomaly
82, 29.990, 219.641

Monochromacy



Original Color
82, 30.335, 227.373

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 12.638, 223.796

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 30.335, 227.373 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(123, 217, 245)` looks like.

```
.text, #text, p{  
    color:rgb(123, 217, 245)  
}
```

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(123, 217, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 217, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 30.335, 227.373 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(123, 217, 245) }
```

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

```
.border{ border-color:rgb(123, 217, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 217, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 217, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 217, 245); box-shadow:4px 4px 4px 4px rgb(123, 217, 245) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 30.335, 227.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 217, 245) }
```

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

```
.background{ background-color: rgb(123,  
217, 245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor