

Converting Colors

CIELCh(71, 31.939, 265.343)

Have a look what the booklet for
CIELCh(71, 31.939, 265.343)
contains.

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Color

CIELCh(71, 31.825, 265.116)

Conversions

Conversions Part 1

Format	Color
Hex	80B2E7
RGB	128, 178, 231
RGB Percent	50%, 70%, 91%
CMY	0.4981, 0.3020, 0.0942
CMYK	0.45, 0.23, 0.00, 0.09
HSL	211°, 68%, 70%
HSV	211°, 45%, 91%
XYZ	39.2350, 42.1875, 81.6587
YIQ	169.0920, -46.8130, 5.8830

Conversions

Conversions Part 2

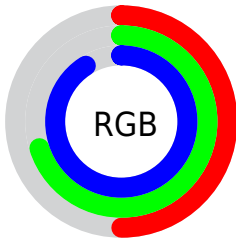
Format	Color
R_{YB}	128, 162, 231
Decimal	8434407
CIE _{Lab}	71.00, -2.71, -31.71
CIE _{LCh}	71, 31.825, 265.116
Yxy	42.1875, 0.2406, 0.2587
Android (android.graphics.Color)	4286624487 (0xFF80B2E7)
YUV	169.0920, 30.5206, -36.0377
Hunter-Lab	64.9519, -5.8406, -29.0741

Details

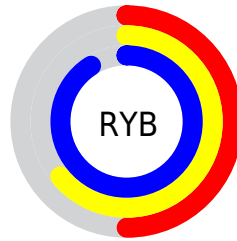
The CIELCh color `71, 31.825, 265.116` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `77, 35.778, 71.274`, and the grayscale version is `69, 0.009, 296.813`.

A 20% lighter version of the original color is `90, 18.820, 234.234`, and `51, 31.514, 264.582` is the 20% darker color. If you saturate the color by 10%, you get `67, 38.696, 267.948`, and if you desaturate by 10%, it is `76, 24.845, 262.722`.

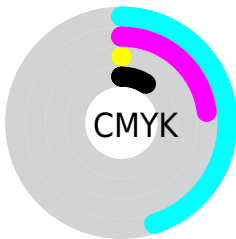
Distribution



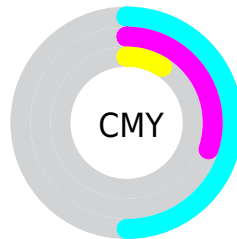
- Red (50%)
- Green (70%)
- Blue (91%)



- Red (50%)
- Yellow (64%)
- Blue (91%)



- Cyan (45%)
- Magenta (23%)
- Yellow (0%)
- Black (9%)





- Cyan (50%)
- Magenta (30%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 31.825, 265.116 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 71, 31.825, 265.116 by changing the saturation by 10% instead.


 71, 31.825,
265.116


 71, 31.825,
265.116


 100, 31.825,
265.116


 61, 31.825,
265.116


 91, 31.825,
265.116

 51, 31.825,
265.116

 41, 31.825,
265.116

 31, 31.825,
265.116

 21, 31.825,
265.116

 11, 31.825,
265.116

 1, 31.825, 265.116

■ 0, 31.825, 265.116

■ 71, 31.825,
265.116

■ 71, 31.825,
265.116

■ 67, 38.696,
267.948

■ 76, 24.845,
262.722

■ 62, 45.485,
271.262

■ 80, 17.759,
260.712

■ 58, 52.253,
275.061

■ 85, 10.585,
259.030

■ 54, 59.090,
279.281

■ 89, 3.346, 257.678

■ 94, 3.931, 76.242

■ 51, 66.097,
283.767

■ 98, 9.519, 96.915

■ 49, 69.997,
286.149

■ 99, 12.158,
109.258

Harmonies

Complementary

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



71, 31.825, 265.116



77, 35.778, 71.274

Rectangle

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



71, 31.825, 265.116



71, 31.825, 315.116



71, 31.825, 85.116



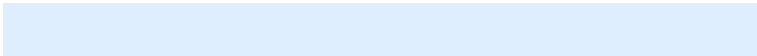
71, 31.825, 135.116

Sweetspot

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



71, 31.824, 265.115



93, 10.225, 258.800



84, 44.476, 159.081



49, 7.148, 259.137



0, 0.000, 0.000



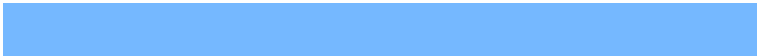
53, 0.007, 296.813

Same Dimension

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



71, 31.824, 265.115



73, 41.483, 267.857



58, 58.477, 296.451



46, 4.107, 258.284



38, 56.744, 285.348



8, 20.284, 276.812

Inverse Universe

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



66, 46.449, 349.158



68, 60.093, 350.669



90, 51.863, 105.900



45, 5.797, 345.200



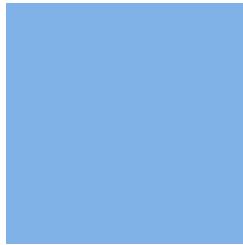
38, 64.728, 3.267



7, 27.475, 356.043

Previews

White Background



This preview shows how the CIELCh color 71, 31.825, 265.116 looks on a white background.

Color Contrast Check

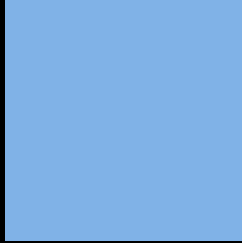
Large Text (above 18pt) WCAG AA × Fail

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 71, 31.825, 265.116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

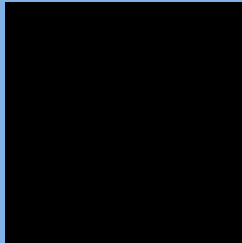
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

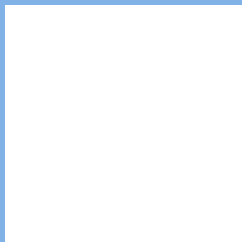
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 31.825, 265.116

Background



This preview shows how black text looks on a background with the CIELCh color 71, 31.825, 265.116.

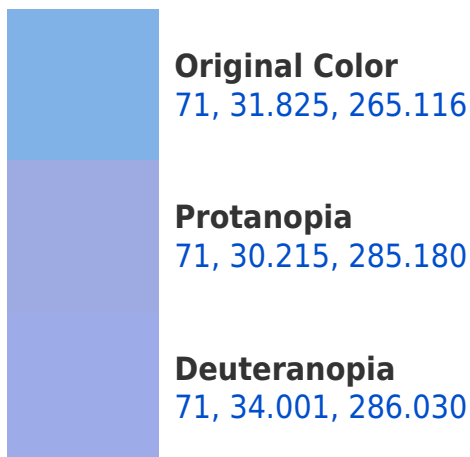


This preview shows how white text looks on a background with the CIELCh color 71, 31.825, 265.116.

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](#).

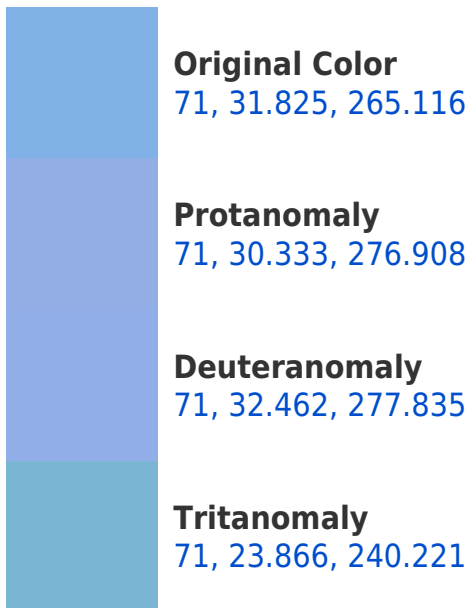
Dichromacy



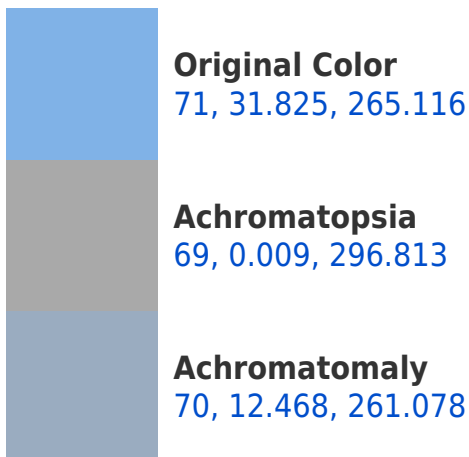


Tritanopia
71, 21.976, 220.002

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 31.825, 265.116 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(128, 178, 231)` looks like.

```
.text, #text, p{  
    color:rgb(128, 178, 231)  
}
```

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(128, 178, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 178, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 31.825, 265.116 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(128, 178, 231) }
```

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

```
.border{ border-color:rgb(128, 178, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 178, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 178, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 178, 231);  
box-shadow:4px 4px 4px 4px rgb(128, 178,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 31.825, 265.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 178, 231) }
```

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

```
.background{ background-color: rgb(128,  
178, 231) }
```

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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