

Converting Colors

CIELCh(71, 32.182, 266.589)

Have a look what the booklet for
CIELCh(71, 32.182, 266.589)
contains.

CIELCh(71, 32.181, 266.108)	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(71, 32.181, 266.108)

Conversions

Conversions Part 1

Format	Color
Hex	81B2E8
RGB	129, 178, 232
RGB Percent	51%, 70%, 91%
CMY	0.4952, 0.3030, 0.0913
CMYK	0.44, 0.23, 0.00, 0.09
HSL	211°, 69%, 71%
HSV	211°, 44%, 91%
XYZ	39.4013, 42.1875, 82.1956
YIQ	169.5050, -46.5380, 6.4060

Conversions

Conversions Part 2

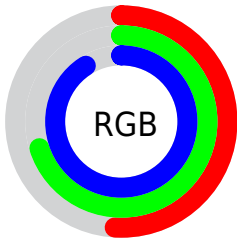
Format	Color
R_{YB}	129, 162, 232
Decimal	8499944
CIE _{Lab}	71.00, -2.18, -32.11
CIE _{LCh}	71, 32.181, 266.108
Yxy	42.1875, 0.2406, 0.2576
Android (android.graphics.Color)	4286690024 (0xFF81B2E8)
YUV	169.5050, 30.8100, -35.5229
Hunter-Lab	64.9519, -5.3836, -29.5642

Details

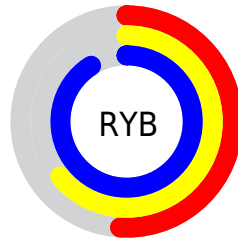
The CIELCh color **71, 32.181, 266.108** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **78, 35.879, 72.244**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 18.580, 234.778**, and **51, 31.901, 265.616** is the 20% darker color. If you saturate the color by 10%, you get **66, 39.202, 268.930**, and if you desaturate by 10%, it is **76, 25.070, 263.719**.

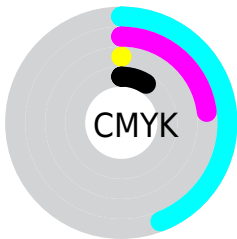
Distribution



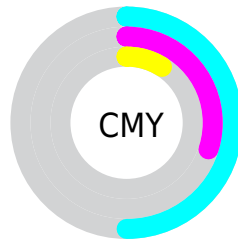
- Red (51%)
- Green (70%)
- Blue (91%)



- Red (51%)
- Yellow (64%)
- Blue (91%)



- Cyan (44%)
- Magenta (23%)
- Yellow (0%)
- Black (9%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 32.181, 266.108 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, 32.181, 266.108 by changing the saturation by 10% instead.


 71, 32.181,
266.108


 71, 32.181,
266.108


 100, 32.181,
266.108


 61, 32.181,
266.108


 91, 32.181,
266.108

 51, 32.181,
266.108

 41, 32.181,
266.108

 31, 32.181,
266.108

 21, 32.181,
266.108

 11, 32.181,
266.108

 1, 32.181, 266.108

0, 32.181, 266.108

71, 32.181,
266.108

71, 32.181,
266.108

66, 39.202,
268.930

76, 25.070,
263.719

62, 46.163,
272.226

80, 17.872,
261.710

58, 53.123,
275.998

85, 10.599,
260.026

54, 60.171,
280.180

90, 3.276, 258.672

95, 4.075, 77.236

50, 67.401,
284.616

98, 9.709, 100.011

48, 71.529,
287.032

99, 11.787,
109.286

Harmonies

Complementary

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



71, 32.181, 266.108



78, 35.879, 72.244

Rectangle

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



71, 32.181, 266.108



71, 32.181, 316.108



71, 32.181, 86.108



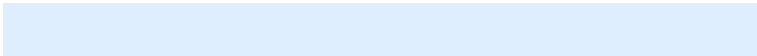
71, 32.181, 136.108

Sweetspot

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



71, 32.180, 266.108



93, 10.312, 259.818



85, 43.838, 159.970



49, 7.211, 260.156



0, 0.000, 0.000



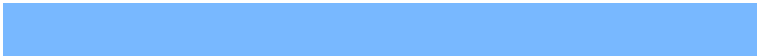
53, 0.007, 296.813

Same Dimension

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



71, 32.180, 266.108



73, 41.268, 268.576



58, 58.417, 296.877



46, 4.141, 259.298



37, 57.827, 286.234



8, 20.623, 277.796

Inverse Universe

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



66, 46.193, 349.730



68, 58.829, 351.116



90, 51.843, 106.684



45, 5.760, 345.736



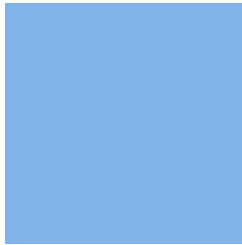
38, 64.666, 4.185



7, 27.391, 356.781

Previews

White Background



This preview shows how the CIE LCh color 71, 32.181, 266.108 looks on a white background.

Color Contrast Check

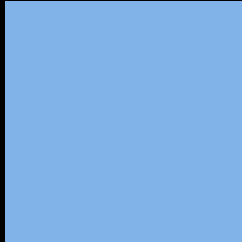
Large Text (above 18pt) WCAG AA × Fail

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, 32.181, 266.108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

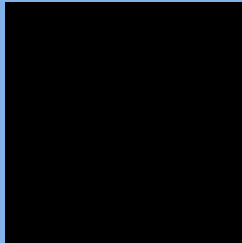
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

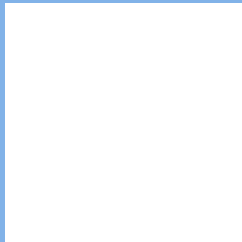
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 32.181, 266.108

Background



This preview shows how black text looks on a background with the CIELCh color 71, 32.181, 266.108.



This preview shows how white text looks on a background with the CIELCh color 71, 32.181, 266.108.

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

71, 32.181, 266.108

Protanopia

71, 30.752, 285.390

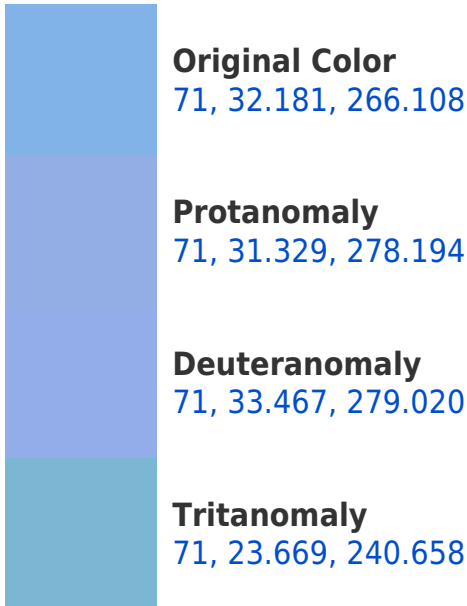
Deuteranopia

71, 34.033, 285.524

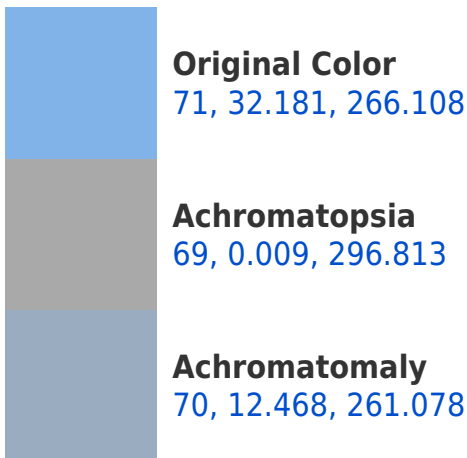


Tritanopia
71, 21.976, 220.002

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 32.181, 266.108 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(129, 178, 232)` looks like.

```
.text, #text, p{  
    color:rgb(129, 178, 232)  
}
```

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(129, 178, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 178, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 32.181, 266.108 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(129, 178, 232) }
```

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

```
.border{ border-color:rgb(129, 178, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 178, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 178, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 178, 232);  
box-shadow:4px 4px 4px 4px rgb(129, 178,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 32.181, 266.108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 178, 232) }
```

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

```
.background{ background-color: rgb(129,  
178, 232) }
```

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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