

Converting Colors

CIELCh(71, 45.402, 268.063)

Have a look what the booklet for
CIELCh(71, 45.402, 268.063)
contains.

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Color

CIELCh(71, 44.835, 267.605)

Conversions

Conversions Part 1

Format	Color
Hex	65B3FF
RGB	101, 179, 255
RGB Percent	40%, 70%, 100%
CMY	0.6042, 0.2983, 0.0003
CMYK	0.60, 0.30, 0.00, 0.00
HSL	210°, 100%, 70%
HSV	210°, 60%, 100%
XYZ	39.4999, 42.1875, 100.6026
YIQ	164.3420, -70.8840, 7.1000

Conversions

Conversions Part 2

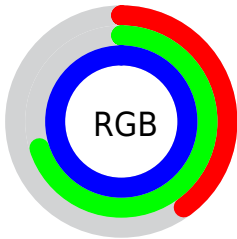
Format	Color
RYB	101, 153, 255
Decimal	6665215
CIELab	71.00, -1.87, -44.80
CIELCh	71, 44.835, 267.605
Yxy	42.1875, 0.2167, 0.2314
Android (android.graphics.Color)	4284855295 (0xFF65B3FF)
YUV	164.3420, 44.6944, -55.5509
Hunter-Lab	64.9519, -5.1126, -46.3666

Details

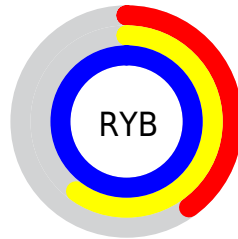
The CIELCh color **71, 44.835, 267.605** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **78, 53.956, 67.081**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 24.217, 223.800**, and **51, 44.726, 267.415** is the 20% darker color. If you saturate the color by 10%, you get **67, 51.773, 271.274**, and if you desaturate by 10%, it is **76, 37.786, 264.451**.

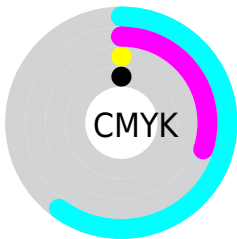
Distribution



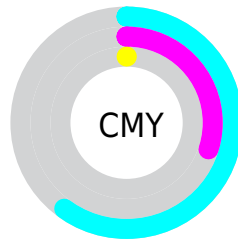
- Red (40%)
- Green (70%)
- Blue (100%)



- Red (40%)
- Yellow (60%)
- Blue (100%)



- Cyan (60%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 44.835, 267.605 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, 44.835, 267.605 by changing the saturation by 10% instead.

 71, 44.835,
267.605

 71, 44.835,
267.605


 100, 44.835,
267.605


 61, 44.835,
267.605


 91, 44.835,
267.605

 51, 44.835,
267.605

 41, 44.835,
267.605

 31, 44.835,
267.605

 21, 44.835,
267.605

 11, 44.835,
267.605

 1, 44.835, 267.605

■ 0, 44.835, 267.605

■ 71, 44.835,
267.605

■ 71, 44.835,
267.605

■ 67, 51.773,
271.274

■ 76, 37.786,
264.451

■ 62, 58.693,
275.430

■ 80, 30.582,
261.783

■ 59, 65.717,
279.957

■ 85, 23.212,
259.547

■ 55, 72.673,
284.387

■ 90, 15.694,
257.680

■ 95, 8.054, 256.135

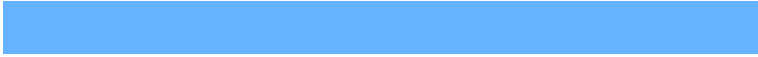
■ 100, 0.328,
256.122

100, 0.028,
107.397

Harmonies

Complementary

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



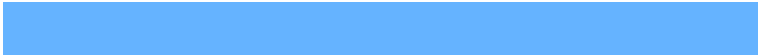
71, 44.835, 267.605



78, 53.956, 67.081

Rectangle

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



71, 44.835, 267.605



71, 44.835, 317.605



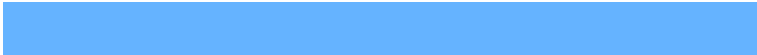
71, 44.835, 87.605



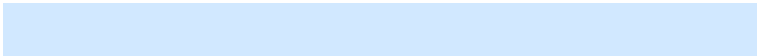
71, 44.835, 137.605

Sweetspot

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



71, 44.834, 267.606



91, 13.865, 257.280



90, 64.000, 155.869



47, 9.616, 257.766



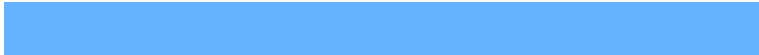
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 44.834, 267.606



66, 52.884, 271.905



52, 86.958, 299.298



51, 4.402, 256.010



42, 57.548, 283.539



12, 23.454, 276.932

Inverse Universe

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



65, 66.755, 350.446



60, 75.807, 352.892



97, 72.669, 103.748



50, 6.411, 344.054



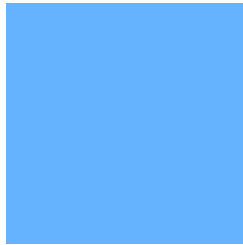
41, 68.321, 1.492



10, 31.932, 355.994

Previews

White Background



This preview shows how the CIELCh color 71, 44.835, 267.605 looks on a white background.

Color Contrast Check

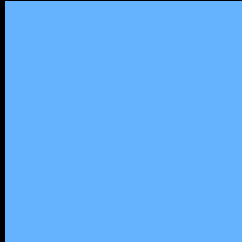
Large Text (above 18pt) WCAG AA × Fail

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, 44.835, 267.605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

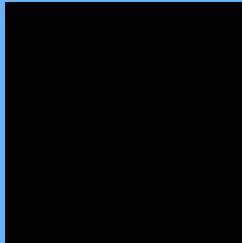
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

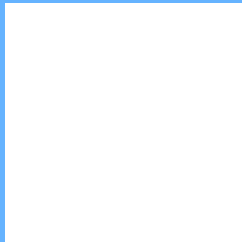
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 44.835, 267.605

Background



This preview shows how black text looks on a background with the CIELCh color 71, 44.835, 267.605.

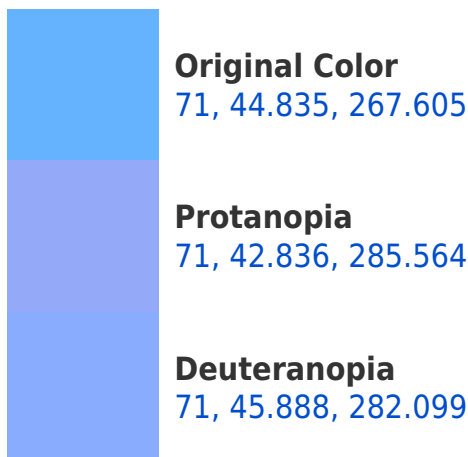


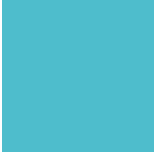
This preview shows how white text looks on a background with the CIELCh color 71, 44.835, 267.605.

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, 31.767, 212.287

Trichromacy



Original Color
71, 44.835, 267.605

Protanomaly
71, 43.610, 278.566

Deuteranomaly
71, 45.063, 276.334

Tritanomaly
71, 32.915, 237.330

Monochromacy



Original Color
71, 44.835, 267.605

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 17.747, 259.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 44.835, 267.605 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(101, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(101, 179, 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(101, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 179, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 44.835, 267.605 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(101, 179, 255) }
```

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

```
.border{ border-color:rgb(101, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(101, 179,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 44.835, 267.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 179, 255) }
```

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

```
.background{ background-color: rgb(101,  
179, 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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