

Converting Colors

CIELCh(71, 47.534, 266.969)

Have a look what the booklet for
CIELCh(71, 47.534, 266.969)
contains.

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Color

CIELCh(71, 45.237, 264.521)

Conversions

Conversions Part 1

Format	Color
Hex	5AB4FF
RGB	90, 180, 255
RGB Percent	35%, 71%, 100%
CMY	0.6456, 0.2930, 0.0000
CMYK	0.65, 0.29, 0.00, 0.00
HSL	207°, 100%, 68%
HSV	207°, 65%, 100%
XYZ	38.7283, 42.1875, 100.9663
YIQ	161.6400, -77.7150, 4.2450

Conversions

Conversions Part 2

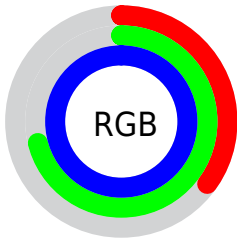
Format	Color
R _{YB}	90, 148, 255
Decimal	5944575
CIE Lab	71.00, -4.32, -45.03
CIE LCh	71, 45.237, 264.521
Yxy	42.1875, 0.2129, 0.2319
Android (android.graphics.Color)	4284134655 (0xFF5AB4FF)
YUV	161.6400, 46.0265, -62.8283
Hunter-Lab	64.9519, -7.2332, -46.6987

Details

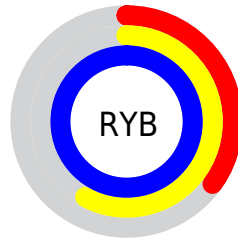
The CIELCh color **71, 45.237, 264.521** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **75, 58.023, 62.770**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 26.474, 220.086**, and **51, 44.596, 265.683** is the 20% darker color. If you saturate the color by 10%, you get **67, 51.268, 268.310**, and if you desaturate by 10%, it is **75, 38.751, 261.003**.

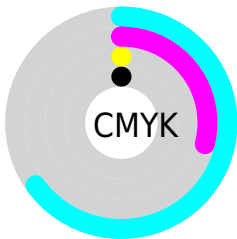
Distribution



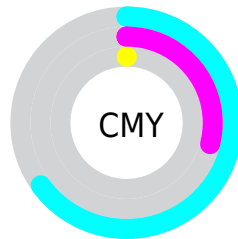
- Red (35%)
- Green (71%)
- Blue (100%)



- Red (35%)
- Yellow (58%)
- Blue (100%)



- Cyan (65%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)





- Cyan (65%)
- Magenta (29%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 45.237, 264.521 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, 45.237, 264.521 by changing the saturation by 10% instead.


 71, 45.237,
264.521


 71, 45.237,
264.521


 100, 45.237,
264.521


 61, 45.237,
264.521


 91, 45.237,
264.521

 51, 45.237,
264.521

 41, 45.237,
264.521

 31, 45.237,
264.521

 21, 45.237,
264.521

 11, 45.237,
264.521

 1, 45.237, 264.521

0, 45.237, 264.521

71, 45.237,
264.521

71, 45.237,
264.521

67, 51.268,
268.310

75, 38.751,
261.003

63, 57.358,
272.751

80, 32.153,
258.160

60, 63.525,
277.556

84, 25.297,
255.790

58, 66.983,
280.170

89, 18.203,
253.828

93, 10.906,
252.209

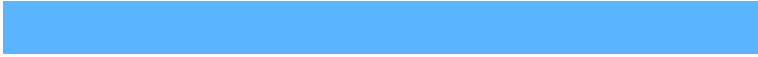
98, 3.451, 250.941

100, 0.012,
296.813

Harmonies

Complementary

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



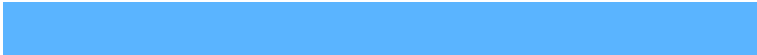
71, 45.237, 264.521



75, 58.023, 62.770

Rectangle

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



71, 45.237, 264.521



71, 45.237, 314.521



71, 45.237, 84.521



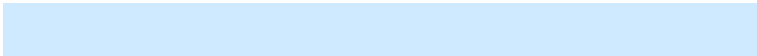
71, 45.237, 134.521

Sweetspot

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



71, 45.103, 264.380



91, 14.166, 252.888



90, 69.699, 153.564



47, 9.720, 253.358



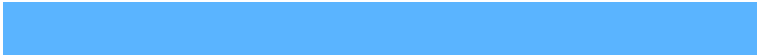
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 45.103, 264.380



66, 52.754, 269.349



50, 90.202, 299.128



51, 4.279, 251.512



44, 53.086, 279.275



13, 21.842, 272.378

Inverse Universe

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



63, 71.663, 348.647



59, 80.069, 351.260



95, 74.736, 101.707



50, 6.586, 341.970



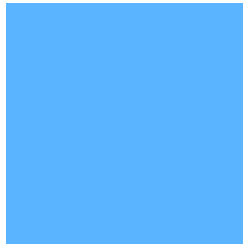
41, 68.967, 357.786



11, 32.379, 352.916

Previews

White Background



This preview shows how the CIE LCh color 71, 45.237, 264.521 looks on a white background.

Color Contrast Check

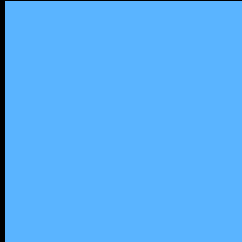
Large Text (above 18pt) WCAG AA × Fail

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, 45.237, 264.521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

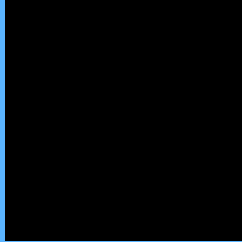
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

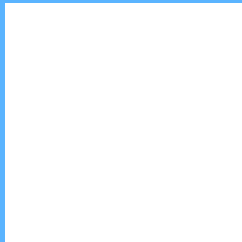
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 45.237, 264.521

Background



This preview shows how black text looks on a background with the CIELCh color 71, 45.237, 264.521.



This preview shows how white text looks on a background with the CIELCh color 71, 45.237, 264.521.

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](#).

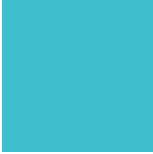
Dichromacy



Original Color
71, 45.237, 264.521

Protanopia
71, 42.305, 285.381

Deuteranopia
71, 45.932, 281.787



Tritanopia
71, 34.248, 210.999

Trichromacy



Original Color
71, 45.237, 264.521

Protanomaly
71, 42.849, 276.329

Deuteranomaly
71, 45.366, 274.931

Tritanomaly
71, 34.558, 233.813

Monochromacy



Original Color
71, 45.237, 264.521

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 18.140, 254.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 45.237, 264.521 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(90, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(90, 180, 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(90, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 180, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 45.237, 264.521 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(90, 180, 255) }
```

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

```
.border{ border-color:rgb(90, 180, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(90, 180,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 45.237, 264.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 180, 255) }
```

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

```
.background{ background-color: rgb(90, 180,  
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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