

Converting Colors

CIELCh(70, 48.049, 257.870)

Have a look what the booklet for
CIELCh(70, 48.049, 257.870)
contains.

| | |
|--|----|
| CIELCh(70, 47.647, 257.308) | 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(70, 47.647, 257.308)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 2BB5FF |
| RGB | 43, 181, 255 |
| RGB Percent | 17%, 71%, 100% |
| CMY | 0.8318, 0.2904, 0.0003 |
| CMYK | 0.83, 0.29, 0.00, 0.00 |
| HSL | 201°, 100%, 58% |
| HSV | 201°, 83%, 100% |
| XYZ | 35.5415, 40.7494, 100.5449 |
| YIQ | 148.1740, -106.0020, -6.2420 |

Conversions

Conversions Part 2

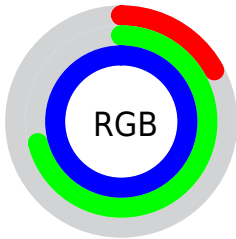
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 43, 127, 255 |
| Decimal | 2864639 |
| CIE Lab | 70.00, -10.47, -46.48 |
| CIE LCh | 70, 47.647, 257.308 |
| Yxy | 40.7494, 0.2010, 0.2304 |
| Android (android.graphics.Color) | 4281054719 (0xFF2BB5FF) |
| YUV | 148.1740, 52.6652, -92.2376 |
| Hunter-Lab | 63.8353, -12.3284, -48.7011 |

Details

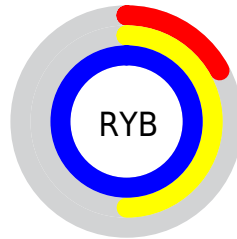
The CIELCh color **70, 47.647, 257.308** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **65, 79.111, 51.920**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 33.222, 214.069**, and **51, 44.596, 265.683** is the 20% darker color. If you saturate the color by 10%, you get **67, 51.429, 262.242**, and if you desaturate by 10%, it is **73, 43.607, 252.980**.

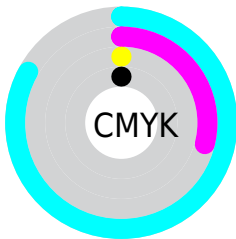
Distribution



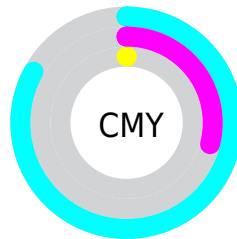
- Red (17%)
- Green (71%)
- Blue (100%)



- Red (17%)
- Yellow (50%)
- Blue (100%)



- Cyan (83%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)





- Cyan (83%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 47.647, 257.308 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 70, 47.647, 257.308 by changing the saturation by 10% instead.

 70, 47.647,
257.308

 70, 47.647,
257.308


 100, 47.647,
257.308


 60, 47.647,
257.308


 90, 47.647,
257.308

 50, 47.647,
257.308

 40, 47.647,
257.308

 30, 47.647,
257.308

 20, 47.647,
257.308

 10, 47.647,
257.308

 0, 47.647, 257.308

70, 47.647,
257.308

70, 47.647,
257.308

67, 51.429,
262.242

73, 43.607,
252.980

65, 54.009,
265.786

76, 39.145,
249.318

80, 34.170,
246.294

83, 28.665,
243.836

87, 22.661,
241.855

91, 16.220,
240.269

95, 9.413, 239.011

99, 2.313, 238.164

100, 0.021,
106.499

Harmonies

Complementary

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



70, 47.647, 257.308



65, 79.111, 51.920

Rectangle

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



70, 47.647, 257.308



70, 47.647, 307.308



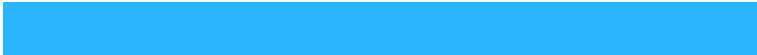
70, 47.647, 77.308



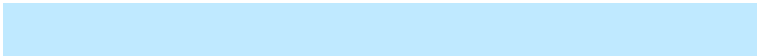
70, 47.647, 127.308

Sweetspot

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



70, 47.646, 257.309



90, 17.427, 240.532



89, 93.427, 145.196



47, 11.791, 241.071



0, 0.000, 0.000



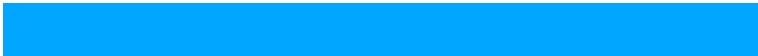
53, 0.007, 296.813

Same Dimension

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



70, 47.646, 257.309



65, 54.020, 265.787



43, 103.501, 299.709



51, 4.090, 238.628



50, 43.014, 264.809



15, 18.372, 257.546

Inverse Universe

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



58, 87.209, 345.359



56, 89.313, 349.207



88, 81.922, 92.565



50, 7.088, 336.988



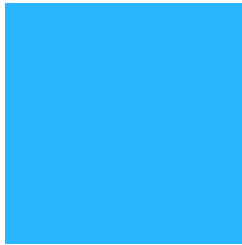
42, 72.176, 348.718



11, 34.038, 345.459

Previews

White Background



This preview shows how the CIE LCh color 70, 47.647, 257.308 looks on a white background.

Color Contrast Check

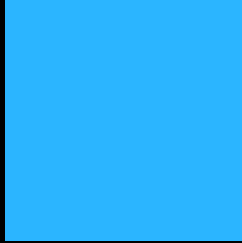
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 70, 47.647, 257.308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

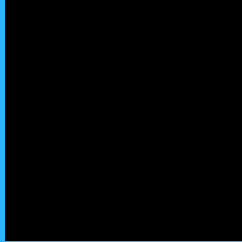
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

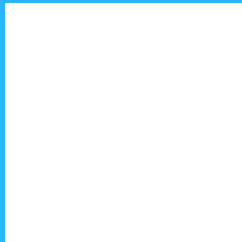
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 47.647, 257.308

Background



This preview shows how black text looks on a background with the CIELCh color 70, 47.647, 257.308.



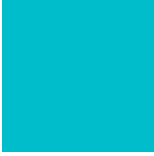
This preview shows how white text looks on a background with the CIELCh color 70, 47.647, 257.308.

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
70, 38.641, 208.238

Trichromacy



Original Color
70, 47.647, 257.308



Protanomaly
69, 44.035, 271.541



Deuteranomaly
69, 47.592, 271.143



Tritanomaly
70, 38.810, 228.095

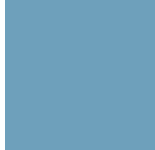
Monochromacy



Original Color
70, 47.647, 257.308



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 21.449, 243.483

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 47.647, 257.308 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(43, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(43, 181, 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(43, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 181, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 47.647, 257.308 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(43, 181, 255) }
```

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

```
.border{ border-color:rgb(43, 181, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(43, 181,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 47.647, 257.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 181, 255) }
```

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

```
.background{ background-color: rgb(43, 181,  
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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