

Converting Colors

CIELCh(70, 46.530, 257.169)

Have a look what the booklet for
CIELCh(70, 46.530, 257.169)
contains.

CIELCh(70, 46.472, 257.068)	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, 46.472, 257.068)

Conversions

Conversions Part 1

Format	Color
Hex	34B5FD
RGB	52, 181, 253
RGB Percent	20%, 71%, 99%
CMY	0.7977, 0.2911, 0.0088
CMYK	0.80, 0.28, 0.00, 0.01
HSL	201°, 98%, 60%
HSV	201°, 80%, 99%
XYZ	35.5618, 40.7494, 98.7140
YIQ	150.6370, -99.9960, -4.9560

Conversions

Conversions Part 2

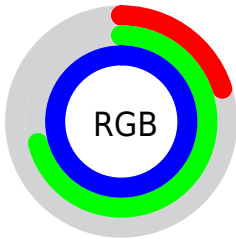
Format	Color
R_{YB}	52, 131, 253
Decimal	3454461
CIE _{Lab}	70.00, -10.40, -45.29
CIE _{LCh}	70, 46.472, 257.068
Yxy	40.7494, 0.2032, 0.2328
Android (android.graphics.Color)	4281644541 (0xFF34B5FD)
YUV	150.6370, 50.4650, -86.5046
Hunter-Lab	63.8353, -12.2718, -47.0005

Details

The CIELCh color **70, 46.472, 257.068** 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 **66, 74.619, 52.897**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 32.408, 214.544**, and **51, 43.690, 264.575** is the 20% darker color. If you saturate the color by 10%, you get **67, 50.472, 261.816**, and if you desaturate by 10%, it is **73, 42.177, 252.947**.

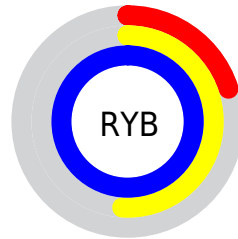
Distribution



Red (20%)

Green (71%)

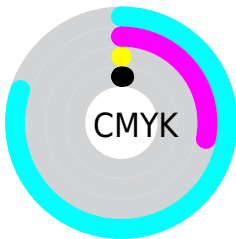
Blue (99%)



Red (20%)

Yellow (51%)

Blue (99%)

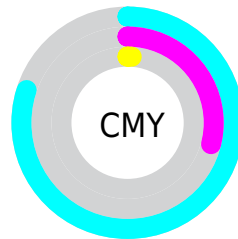


Cyan (80%)

Magenta (28%)

Yellow (0%)

Black (1%)



Cyan (80%)


Magenta (29%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 46.472, 257.068 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, 46.472, 257.068 by changing the saturation by 10% instead.


 70, 46.472,
257.068


 70, 46.472,
257.068


 100, 46.472,
257.068


 60, 46.472,
257.068


 90, 46.472,
257.068

 50, 46.472,
257.068

 40, 46.472,
257.068

 30, 46.472,
257.068

 20, 46.472,
257.068

 10, 46.472,
257.068

 0, 46.472, 257.068

70, 46.472,
257.068

70, 46.472,
257.068

67, 50.472,
261.816

73, 42.177,
252.947

64, 54.412,
266.975

76, 37.450,
249.482

64, 54.580,
267.182

80, 32.226,
246.630

84, 26.506,
244.312

87, 20.328,
242.443

91, 13.757,
240.944

95, 6.861, 239.764

99, 0.291, 56.759

100, 1.127,
110.025

Harmonies

Complementary

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



70, 46.472, 257.068



66, 74.619, 52.897

Rectangle

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



70, 46.472, 257.068



70, 46.472, 307.068



70, 46.472, 77.068



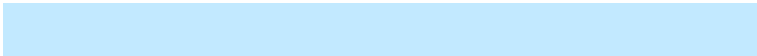
70, 46.472, 127.068

Sweetspot

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



70, 46.471, 257.069



90, 16.819, 241.565



88, 88.756, 146.534



47, 11.462, 242.114



0, 0.000, 0.000



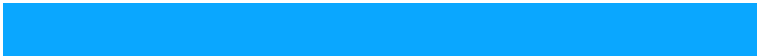
53, 0.007, 296.813

Same Dimension

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



70, 46.471, 257.069



66, 53.352, 265.145



44, 100.089, 299.341



51, 4.097, 239.756



49, 43.744, 266.233



15, 18.613, 258.963

Inverse Universe

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



59, 84.780, 345.257



56, 88.885, 348.891



89, 80.193, 94.175



50, 7.044, 337.381



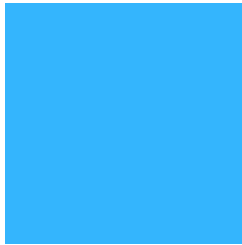
42, 71.828, 349.435



11, 33.874, 346.048

Previews

White Background



This preview shows how the CIE LCh color 70, 46.472, 257.068 looks on a white background.

Color Contrast Check

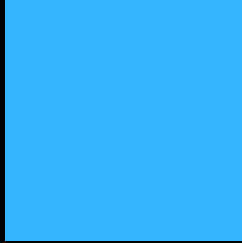
Large Text (above 18pt) WCAG AA × Fail

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 70, 46.472, 257.068 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

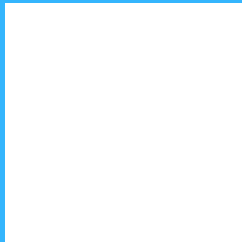
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 46.472, 257.068

Background



This preview shows how black text looks on a background with the CIELCh color 70, 46.472, 257.068.



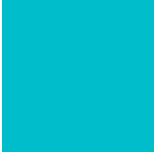
This preview shows how white text looks on a background with the CIELCh color 70, 46.472, 257.068.

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, 38.601, 209.110

Trichromacy



Original Color
70, 46.472, 257.068

Protanomaly
69, 42.791, 271.853

Deuteranomaly
69, 46.928, 271.428

Tritanomaly
70, 38.708, 228.192

Monochromacy



Original Color
70, 46.472, 257.068

Achromatopsia
62, 0.008, 296.813

Achromatomaly
64, 20.516, 243.824

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 46.472, 257.068 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(52, 181, 253)` looks like.

```
.text, #text, p{  
    color:rgb(52, 181, 253)  
}
```

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(52, 181, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 181, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 46.472, 257.068 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(52, 181, 253) }
```

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

```
.border{ border-color:rgb(52, 181, 253) }
```

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

Here you see how a box with a 4 pixel rgb(52, 181, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 181, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 181, 253);  
box-shadow:4px 4px 4px 4px rgb(52, 181,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 46.472, 257.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 181, 253) }
```

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

```
.background{ background-color: rgb(52, 181,  
253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor