

Converting Colors

CIELCh(70, 46.656, 256.710)

Have a look what the booklet for
CIELCh(70, 46.656, 256.710)
contains.

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Color

CIELCh(70, 46.668, 256.672)

Conversions

Conversions Part 1

Format	Color
Hex	30B5FD
RGB	48, 181, 253
RGB Percent	19%, 71%, 99%
CMY	0.8120, 0.2903, 0.0080
CMYK	0.81, 0.28, 0.00, 0.01
HSL	201°, 98%, 59%
HSV	201°, 81%, 99%
XYZ	35.4559, 40.7494, 98.8942
YIQ	149.4410, -102.3800, -5.8040

Conversions

Conversions Part 2

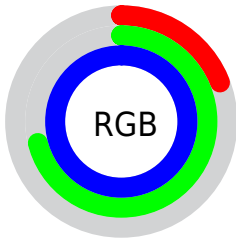
Format	Color
R _Y B	48, 129, 253
Decimal	3192317
CIE Lab	70.00, -10.76, -45.41
CIE LCh	70, 46.668, 256.672
Yxy	40.7494, 0.2025, 0.2327
Android (android.graphics.Color)	4281382397 (0xFF30B5FD)
YUV	149.4410, 51.0546, -88.9638
Hunter-Lab	63.8353, -12.5679, -47.1680

Details

The CIELCh color **70, 46.668, 256.672** 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, 76.379, 52.273**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 32.818, 214.302**, and **51, 43.690, 264.575** is the 20% darker color. If you saturate the color by 10%, you get **67, 50.508, 261.490**, and if you desaturate by 10%, it is **73, 42.536, 252.480**.

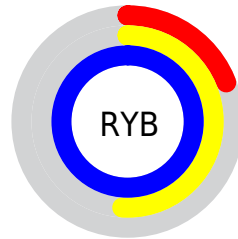
Distribution



Red (19%)

Green (71%)

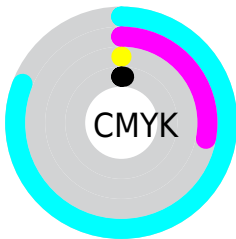
Blue (99%)



Red (19%)

Yellow (51%)

Blue (99%)

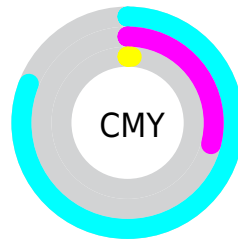


Cyan (81%)

Magenta (28%)

Yellow (0%)

Black (1%)



Cyan (81%)


Magenta (29%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 46.668, 256.672 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, 46.668, 256.672 by changing the saturation by 10% instead.


 70, 46.668,
256.672


 70, 46.668,
256.672


 100, 46.668,
256.672


 60, 46.668,
256.672


 90, 46.668,
256.672

 50, 46.668,
256.672

 40, 46.668,
256.672

 30, 46.668,
256.672

 20, 46.668,
256.672

 10, 46.668,
256.672

 0, 46.668, 256.672

70, 46.668,
256.672

70, 46.668,
256.672

67, 50.508,
261.490

73, 42.536,
252.480

65, 53.910,
266.124

76, 37.967,
248.950

80, 32.885,
246.045

83, 27.286,
243.687

87, 21.208,
241.788

91, 14.714,
240.268

95, 7.876, 239.068

99, 0.763, 238.745

100, 1.021,
110.026

Harmonies

Complementary

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



70, 46.668, 256.672



65, 76.379, 52.273

Rectangle

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



70, 46.668, 256.672



70, 46.668, 306.672



70, 46.668, 76.672



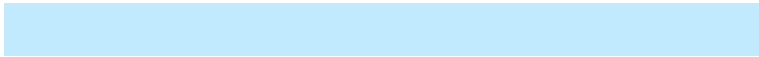
70, 46.668, 126.672

Sweetspot

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



70, 46.667, 256.673



90, 16.780, 240.683



88, 89.963, 146.248



47, 11.433, 241.221



0, 0.000, 0.000



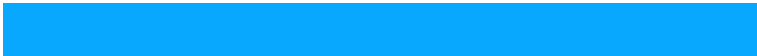
53, 0.007, 296.813

Same Dimension

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



70, 46.667, 256.673



66, 53.085, 264.607



43, 102.104, 299.747



51, 4.091, 238.912



50, 43.195, 265.170



15, 18.431, 257.904

Inverse Universe

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



58, 85.777, 345.097



56, 89.204, 348.623



89, 81.102, 94.012



50, 7.077, 337.086



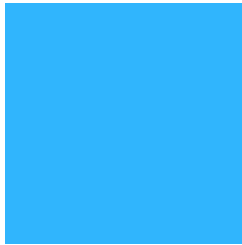
42, 72.087, 348.897



11, 33.996, 345.606

Previews

White Background



This preview shows how the CIE LCh color 70, 46.668, 256.672 looks on a white background.

Color Contrast Check

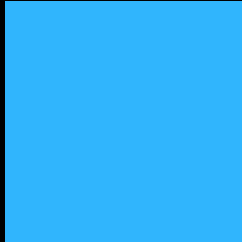
Large Text (above 18pt) WCAG AA × Fail

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, 46.668, 256.672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

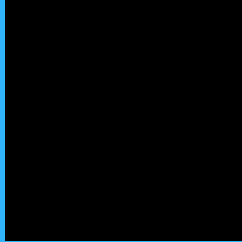
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

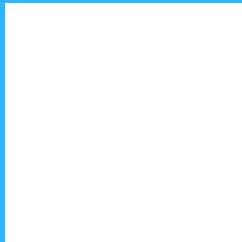
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 46.668, 256.672

Background



This preview shows how black text looks on a background with the CIELCh color 70, 46.668, 256.672.



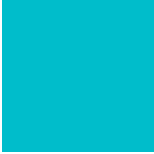
This preview shows how white text looks on a background with the CIELCh color 70, 46.668, 256.672.

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, 46.668, 256.672



Protanomaly
69, 42.932, 271.296



Deuteranomaly
69, 46.991, 271.204



Tritanomaly
70, 38.641, 227.275

Monochromacy



Original Color
70, 46.668, 256.672



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 20.914, 242.708

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 46.668, 256.672 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(48, 181, 253)` looks like.

```
.text, #text, p{  
    color:rgb(48, 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(48, 181, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 181, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 46.668, 256.672 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(48, 181, 253) }
```

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

```
.border{ border-color:rgb(48, 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(48, 181, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 181, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 181, 253);  
box-shadow:4px 4px 4px 4px rgb(48, 181,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 46.668, 256.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 181, 253) }
```

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

```
.background{ background-color: rgb(48, 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](#).

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