

Converting Colors

CIELCh(70, 48.526, 256.191)

Have a look what the booklet for
CIELCh(70, 48.526, 256.191)
contains.

CIELCh(70, 47.988, 255.286)	3
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Color

CIELCh(70, 47.988, 255.286)

Conversions

Conversions Part 1

Format	Color
Hex	16B6FF
RGB	22, 182, 255
RGB Percent	9%, 71%, 100%
CMY	0.9128, 0.2871, 0.0009
CMYK	0.91, 0.29, 0.00, 0.00
HSL	199°, 100%, 54%
HSV	199°, 91%, 100%
XYZ	35.0348, 40.7494, 100.4389
YIQ	142.4820, -118.7930, -11.2170

Conversions

Conversions Part 2

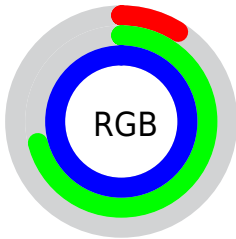
Format	Color
R _Y B	22, 117, 255
Decimal	1488639
CIE Lab	70.00, -12.19, -46.41
CIE LCh	70, 47.988, 255.286
Yxy	40.7494, 0.1988, 0.2312
Android (android.graphics.Color)	4279678719 (0xFF16B6FF)
YUV	142.4820, 55.4714, -105.6627
Hunter-Lab	63.8353, -13.7454, -48.6026

Details

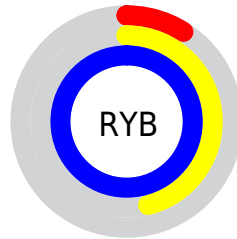
The CIELCh color **70, 47.988, 255.286** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **61, 88.093, 48.778**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 34.766, 212.303**, and **52, 44.171, 264.866** is the 20% darker color. If you saturate the color by 10%, you get **68, 50.584, 259.764**, and if you desaturate by 10%, it is **73, 44.863, 250.594**.

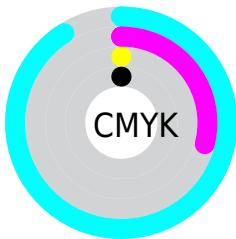
Distribution



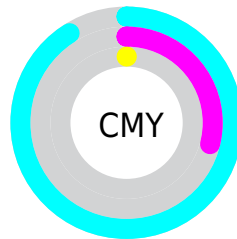
- Red (9%)
- Green (71%)
- Blue (100%)



- Red (9%)
- Yellow (46%)
- Blue (100%)



- Cyan (91%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)




- Cyan (91%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 47.988, 255.286 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, 47.988, 255.286 by changing the saturation by 10% instead.

 70, 47.988,
255.286


 70, 47.988,
255.286


 100, 47.988,
255.286

 60, 47.988,
255.286


 90, 47.988,
255.286

 50, 47.988,
255.286

 40, 47.988,
255.286

 30, 47.988,
255.286

 20, 47.988,
255.286

 10, 47.988,
255.286

 0, 47.988, 255.286

70, 47.988,
255.286

70, 47.988,
255.286

68, 50.584,
259.764

73, 44.863,
250.594

75, 41.320,
246.582

78, 37.214,
243.257

82, 32.483,
240.559

85, 27.138,
238.400

88, 21.230,
236.686

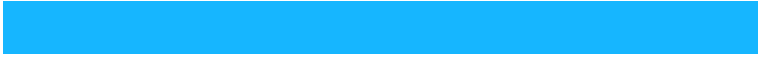
92, 14.838,
235.337

96, 8.044, 234.294

Harmonies

Complementary

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



70, 47.988, 255.286



61, 88.093, 48.778

Rectangle

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



70, 47.988, 255.286



70, 47.988, 305.286



70, 47.988, 75.286



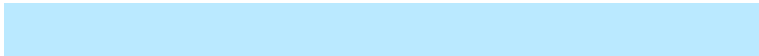
70, 47.988, 125.286

Sweetspot

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



70, 47.987, 255.287



90, 18.566, 236.069



88, 101.705, 142.427



47, 12.390, 236.557



0, 0.000, 0.000



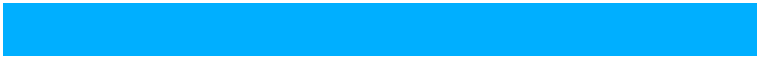
53, 0.007, 296.813

Same Dimension

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



70, 47.987, 255.287



68, 50.619, 259.766



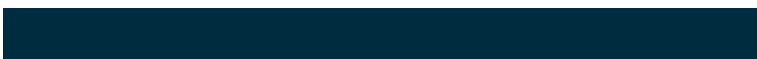
41, 109.269, 300.706



51, 4.075, 234.142



52, 40.393, 258.791



16, 17.530, 251.661

Inverse Universe

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



57, 90.873, 344.555



56, 91.166, 346.391



85, 83.648, 88.898



50, 7.268, 335.482



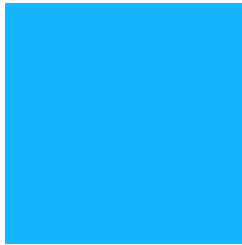
42, 73.674, 345.976



11, 34.727, 343.207

Previews

White Background



This preview shows how the CIELCh color 70, 47.988, 255.286 looks on a white background.

Color Contrast Check

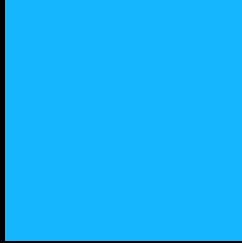
Large Text (above 18pt) WCAG AA × Fail

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, 47.988, 255.286 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

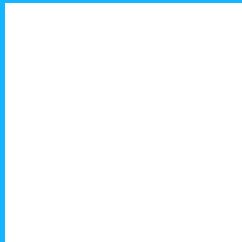
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 47.988, 255.286

Background



This preview shows how black text looks on a background with the CIELCh color 70, 47.988, 255.286.

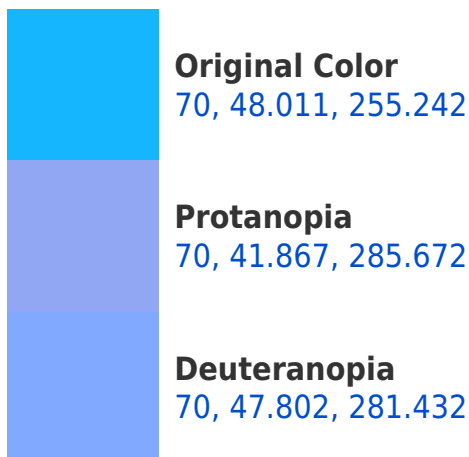


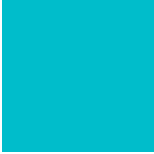
This preview shows how white text looks on a background with the CIELCh color 70, 47.988, 255.286.

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

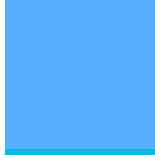
Trichromacy



Original Color
70, 48.011, 255.242



Protanomaly
69, 44.046, 269.365



Deuteranomaly
69, 47.656, 268.831



Tritanomaly
70, 39.023, 227.895

Monochromacy



Original Color
70, 48.011, 255.242



Achromatopsia
59, 0.008, 296.813



Achromatomaly
61, 23.026, 239.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 47.988, 255.286 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(22, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(22, 182, 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(22, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 182, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 47.988, 255.286 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(22, 182, 255) }
```

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

```
.border{ border-color:rgb(22, 182, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(22, 182,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 47.988, 255.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 182, 255) }
```

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

```
.background{ background-color: rgb(22, 182,  
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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