

Converting Colors

CIELCh(70, 47.406, 258.306)

Have a look what the booklet for
CIELCh(70, 47.406, 258.306)
contains.

CIELCh(70, 47.619, 258.793)	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, 47.619, 258.793)

Conversions

Conversions Part 1

Format	Color
Hex	34B4FF
RGB	52, 180, 255
RGB Percent	20%, 71%, 100%
CMY	0.7973, 0.2927, 0.0000
CMYK	0.80, 0.29, 0.00, 0.00
HSL	202°, 100%, 60%
HSV	202°, 80%, 100%
XYZ	35.9019, 40.7494, 100.8988
YIQ	150.2780, -100.3630, -3.8110

Conversions

Conversions Part 2

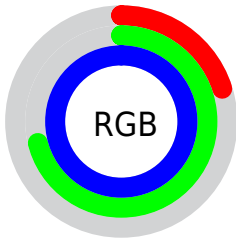
Format	Color
R _Y B	52, 131, 255
Decimal	3454207
CIE Lab	70.00, -9.25, -46.71
CIE LCh	70, 47.619, 258.793
Yxy	40.7494, 0.2022, 0.2295
Android (android.graphics.Color)	4281644287 (0xFF34B4FF)
YUV	150.2780, 51.6279, -86.1898
Hunter-Lab	63.8353, -11.3206, -49.0298

Details

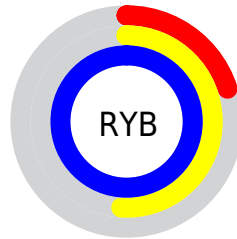
The CIELCh color **70, 47.619, 258.793** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **67, 75.024, 53.605**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 32.044, 215.778**, and **51, 44.596, 265.683** is the 20% darker color. If you saturate the color by 10%, you get **67, 51.688, 263.371**, and if you desaturate by 10%, it is **73, 42.992, 254.433**.

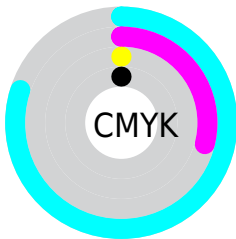
Distribution



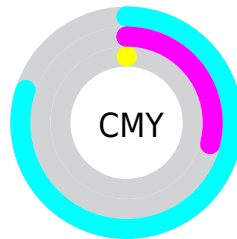
- Red (20%)
- Green (71%)
- Blue (100%)



- Red (20%)
- Yellow (51%)
- Blue (100%)



- Cyan (80%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (29%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 47.619, 258.793 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, 47.619, 258.793 by changing the saturation by 10% instead.


 70, 47.619,
258.793


 70, 47.619,
258.793


 100, 47.619,
258.793


 60, 47.619,
258.793


 90, 47.619,
258.793

 50, 47.619,
258.793

 40, 47.619,
258.793

 30, 47.619,
258.793

 20, 47.619,
258.793

 10, 47.619,
258.793

 0, 47.619, 258.793

70, 47.619,
258.793

70, 47.619,
258.793

67, 51.688,
263.371

73, 42.992,
254.433

64, 55.877,
268.527

77, 38.110,
250.917

64, 55.995,
268.663

80, 32.755,
248.011

84, 26.923,
245.643

88, 20.650,
243.726

92, 13.995,
242.183

96, 7.025, 240.962

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.



70, 47.619, 258.793



67, 75.024, 53.605

Rectangle

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



70, 47.619, 258.793



70, 47.619, 308.793



70, 47.619, 78.793



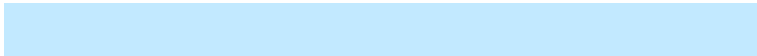
70, 47.619, 128.793

Sweetspot

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



70, 47.470, 258.598



90, 16.880, 242.801



89, 88.251, 147.150



47, 11.508, 243.363



0, 0.000, 0.000



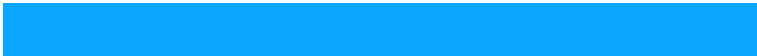
53, 0.007, 296.813

Same Dimension

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



70, 47.470, 258.598



65, 54.292, 266.607



44, 103.017, 300.021



51, 4.107, 240.939



49, 44.541, 267.692



15, 18.878, 260.424

Inverse Universe

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



59, 84.980, 345.899



56, 88.443, 349.637



90, 81.722, 95.301



50, 6.997, 337.800



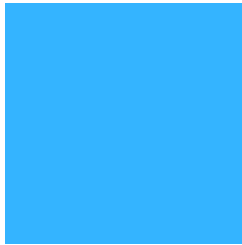
42, 71.476, 350.202



11, 33.705, 346.677

Previews

White Background



This preview shows how the CIE LCh color 70, 47.619, 258.793 looks on a white background.

Color Contrast Check

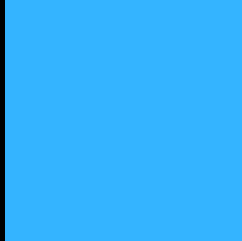
Large Text (above 18pt) WCAG AA × Fail

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, 47.619, 258.793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

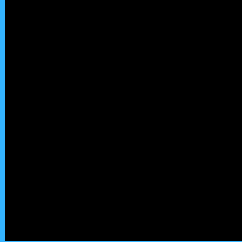
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

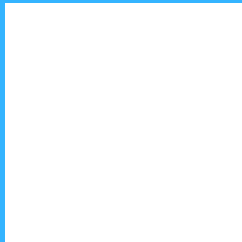
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 47.619, 258.793

Background



This preview shows how black text looks on a background with the CIELCh color 70, 47.619, 258.793.

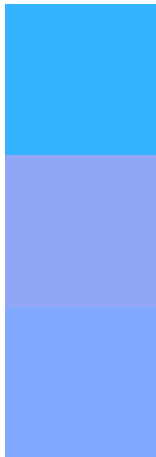


This preview shows how white text looks on a background with the CIELCh color 70, 47.619, 258.793.

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

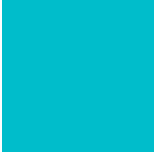
70, 47.572, 258.894

Protanopia

70, 42.433, 285.481

Deuteranopia

70, 47.802, 281.432



Tritanopia
70, 38.641, 208.238

Trichromacy



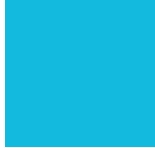
Original Color
70, 47.572, 258.894



Protanomaly
69, 43.830, 272.341



Deuteranomaly
69, 47.406, 271.798



Tritanomaly
70, 38.708, 228.192

Monochromacy



Original Color
70, 47.572, 258.894



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 20.857, 245.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 47.619, 258.793 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, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(52, 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(52, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 180, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 47.619, 258.793 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, 180, 255) }
```

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

```
.border{ border-color:rgb(52, 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(52, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(52, 180,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 47.619, 258.793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 180, 255) }
```

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

```
.background{ background-color: rgb(52, 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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