

Converting Colors

CIELCh(69, 49.650, 259.390)

Have a look what the booklet for
CIELCh(69, 49.650, 259.390)
contains.

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Color

CIELCh(69, 49.073, 258.637)

Conversions

Conversions Part 1

Format	Color
Hex	1EB2FF
RGB	30, 178, 255
RGB Percent	12%, 70%, 100%
CMY	0.8821, 0.3019, 0.0000
CMYK	0.88, 0.30, 0.00, 0.00
HSL	201°, 100%, 56%
HSV	201°, 88%, 100%
XYZ	34.5125, 39.3444, 100.3966
YIQ	142.5260, -112.9250, -7.4290

Conversions

Conversions Part 2

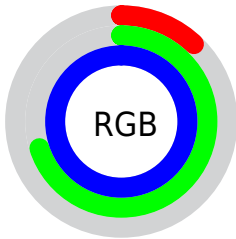
Format	Color
R _Y B	30, 119, 255
Decimal	2011903
CIE Lab	69.00, -9.67, -48.11
CIE LCh	69, 49.073, 258.637
Yxy	39.3444, 0.1981, 0.2258
Android (android.graphics.Color)	4280201983 (0xFF1EB2FF)
YUV	142.5260, 55.4497, -98.6853
Hunter-Lab	62.7251, -11.5549, -50.9909

Details

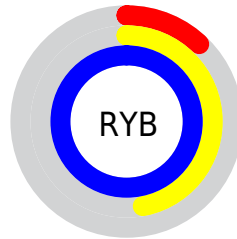
The CIELCh color **69, 49.073, 258.637** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **63, 84.213, 50.925**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 33.747, 216.677**, and **51, 45.471, 267.277** is the 20% darker color. If you saturate the color by 10%, you get **66, 52.664, 263.773**, and if you desaturate by 10%, it is **72, 45.309, 254.002**.

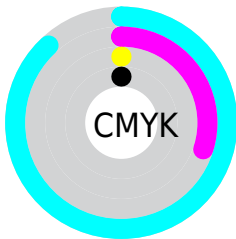
Distribution



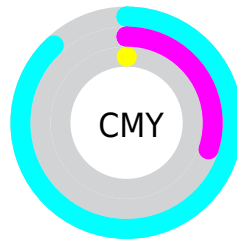
- Red (12%)
- Green (70%)
- Blue (100%)



- Red (12%)
- Yellow (47%)
- Blue (100%)



- Cyan (88%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (88%)
- Magenta (30%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 49.073, 258.637 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 69, 49.073, 258.637 by changing the saturation by 10% instead.

 69, 49.073,
258.637

 69, 49.073,
258.637

 100, 49.073,
258.637


 59, 49.073,
258.637

 89, 49.073,
258.637

 49, 49.073,
258.637

 99, 49.073,
258.637

 39, 49.073,
258.637

 29, 49.073,
258.637

 19, 49.073,
258.637

 9, 49.073, 258.637

 0, 49.073, 258.637

■ 69, 49.073,
258.637

■ 69, 49.073,
258.637

■ 66, 52.664,
263.773

■ 72, 45.309,
254.002

■ 66, 53.329,
264.688

■ 75, 41.181,
250.034

■ 78, 36.553,
246.731

■ 82, 31.376,
244.035

■ 85, 25.665,
241.859

■ 89, 19.469,
240.116

■ 93, 12.859,
238.729

■ 97, 5.911, 237.656

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.



69, 49.073, 258.637



63, 84.213, 50.925

Rectangle

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



69, 49.073, 258.637



69, 49.073, 308.637



69, 49.073, 78.637



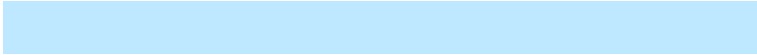
69, 49.073, 128.637

Sweetspot

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



69, 49.065, 258.629



90, 18.043, 239.782



88, 97.130, 144.184



47, 12.126, 240.314



0, 0.000, 0.000



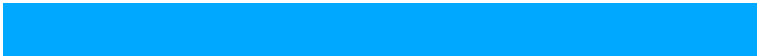
53, 0.007, 296.813

Same Dimension

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



69, 49.065, 258.629



66, 53.329, 264.688



41, 109.934, 301.096



51, 4.085, 237.776



50, 42.480, 263.709



16, 18.198, 256.458

Inverse Universe

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



57, 88.931, 345.910



56, 89.647, 348.658



88, 84.181, 91.951



50, 7.122, 336.695



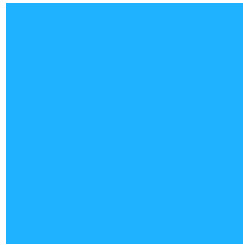
42, 72.447, 348.183



11, 34.165, 345.020

Previews

White Background



This preview shows how the CIE LCh color 69, 49.073, 258.637 looks on a white background.

Color Contrast Check

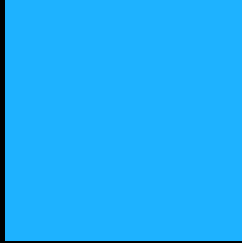
Large Text (above 18pt) WCAG AA × Fail

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 69, 49.073, 258.637 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

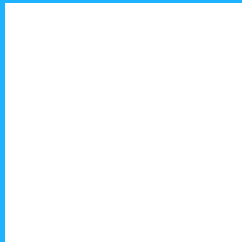
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 49.073, 258.637

Background



This preview shows how black text looks on a background with the CIELCh color 69, 49.073, 258.637.

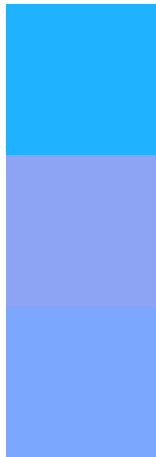


This preview shows how white text looks on a background with the CIELCh color 69, 49.073, 258.637.

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](#).

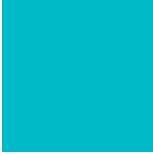
Dichromacy



Original Color
69, 49.073, 258.637

Protanopia
69, 44.200, 285.773

Deuteranopia
69, 49.109, 280.904



Tritanopia
69, 38.175, 208.421

Trichromacy



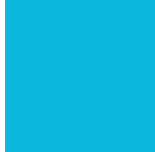
Original Color
69, 49.073, 258.637



Protanomaly
68, 45.838, 271.901



Deuteranomaly
68, 49.015, 270.652



Tritanomaly
69, 38.697, 229.285

Monochromacy



Original Color
69, 49.073, 258.637



Achromatopsia
59, 0.008, 296.813



Achromatomaly
62, 22.575, 242.878

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 49.073, 258.637 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(30, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(30, 178, 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(30, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 178, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 49.073, 258.637 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(30, 178, 255) }
```

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

```
.border{ border-color:rgb(30, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(30, 178,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 49.073, 258.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 178, 255) }
```

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

```
.background{ background-color: rgb(30, 178,  
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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