

Converting Colors

CIELCh(73, 44.851, 250.047)

Have a look what the booklet for
CIELCh(73, 44.851, 250.047)
contains.

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Color

CIELCh(73, 44.629, 249.748)

Conversions

Conversions Part 1

Format	Color
Hex	30BFFF
RGB	48, 191, 255
RGB Percent	19%, 75%, 100%
CMY	0.8109, 0.2506, 0.0000
CMYK	0.81, 0.25, 0.00, 0.00
HSL	199°, 100%, 59%
HSV	199°, 81%, 100%
XYZ	37.9474, 45.1644, 101.4142
YIQ	155.5390, -105.7720, -10.4120

Conversions

Conversions Part 2

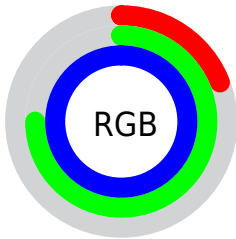
Format	Color
R _Y B	48, 133, 255
Decimal	3194879
CIE Lab	73.00, -15.45, -41.87
CIE LCh	73, 44.629, 249.748
Yxy	45.1644, 0.2056, 0.2448
Android (android.graphics.Color)	4281384959 (0xFF30BFFF)
YUV	155.5390, 49.0343, -94.3117
Hunter-Lab	67.2044, -16.8167, -42.4279

Details

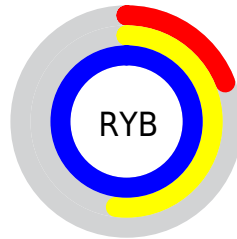
The CIELCh color **73, 44.629, 249.748** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **64, 78.398, 49.236**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 34.747, 204.223**, and **54, 40.765, 256.945** is the 20% darker color. If you saturate the color by 10%, you get **70, 47.636, 254.336**, and if you desaturate by 10%, it is **76, 41.111, 245.716**.

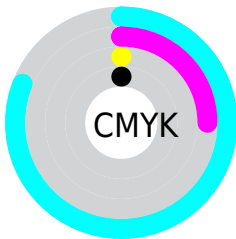
Distribution



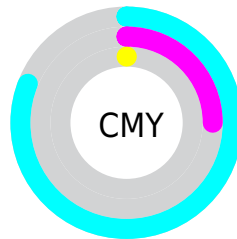
- Red (19%)
- Green (75%)
- Blue (100%)



- Red (19%)
- Yellow (52%)
- Blue (100%)



- Cyan (81%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (81%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 44.629, 249.748 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 73, 44.629, 249.748 by changing the saturation by 10% instead.

■ 73, 44.629,
249.748

■ 73, 44.629,
249.748

■ 100, 44.629,
249.748

■ 63, 44.629,
249.748

■ 93, 44.629,
249.748

■ 53, 44.629,
249.748

■ 43, 44.629,
249.748

■ 33, 44.629,
249.748

■ 23, 44.629,
249.748

■ 13, 44.629,
249.748

■ 3, 44.629, 249.748

■ 0, 44.629, 249.748

■ 73, 44.629,
249.748

■ 73, 44.629,
249.748

■ 70, 47.636,
254.336

■ 76, 41.111,
245.716

■ 68, 50.196,
258.888

■ 79, 37.047,
242.439

■ 82, 32.344,
239.785

■ 85, 27.014,
237.666

■ 89, 21.114,
235.988

■ 92, 14.721,
234.670

■ 96, 7.922, 233.655

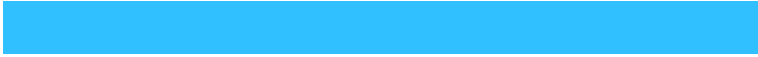
■ 100, 0.799,
233.504

■ 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.



73, 44.629, 249.748



64, 78.398, 49.236

Rectangle

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



73, 44.629, 249.748



73, 44.629, 299.748



73, 44.629, 69.748



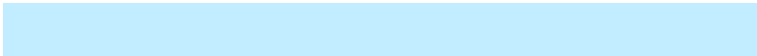
73, 44.629, 119.748

Sweetspot

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



73, 44.593, 249.683



91, 16.626, 235.020



89, 94.277, 144.411



47, 11.312, 235.485



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 44.593, 249.683



69, 49.320, 257.358



46, 96.574, 297.708



51, 4.074, 233.523



52, 40.068, 257.915



16, 17.428, 250.818

Inverse Universe

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



59, 88.528, 342.462



57, 91.450, 345.382



87, 79.220, 90.351



50, 7.293, 335.281



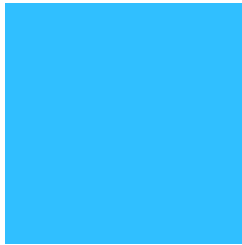
42, 73.895, 345.611



11, 34.826, 342.907

Previews

White Background



This preview shows how the CIE LCh color 73, 44.629, 249.748 looks on a white background.

Color Contrast Check

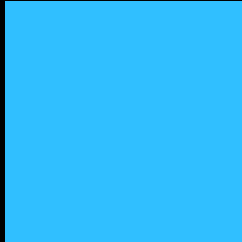
Large Text (above 18pt) WCAG AA × Fail

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 73, 44.629, 249.748 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

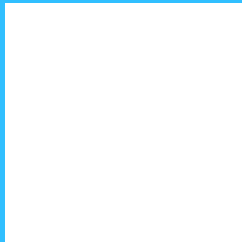
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 44.629, 249.748

Background



This preview shows how black text looks on a background with the CIELCh color 73, 44.629, 249.748.



This preview shows how white text looks on a background with the CIELCh color 73, 44.629, 249.748.

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

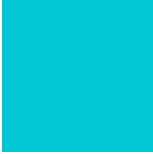
73, 44.629, 249.748

Protanopia

72, 37.156, 285.615

Deuteranopia

73, 43.373, 283.045



Tritanopia
73, 39.990, 208.554

Trichromacy



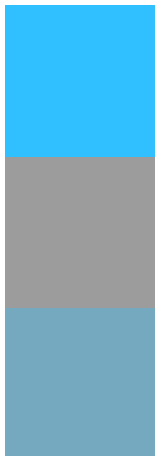
Original Color
73, 44.629, 249.748

Protanomaly
72, 38.998, 266.977

Deuteranomaly
72, 43.268, 268.559

Tritanomaly
73, 39.616, 224.315

Monochromacy



Original Color
73, 44.629, 249.748

Achromatopsia
64, 0.008, 296.813

Achromatomaly
66, 20.573, 236.839

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 44.629, 249.748 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, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(48, 191, 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(48, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 191, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 44.629, 249.748 is called "border". The border property can be set on classes, ids or directly on the HTML element.

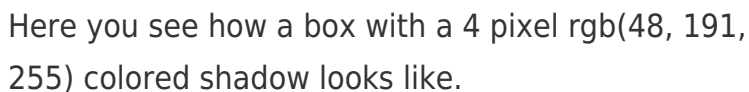
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(48, 191, 255) }
```

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

```
.border{ border-color:rgb(48, 191, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(48, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(48, 191,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 44.629, 249.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 191, 255) }
```

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

```
.background{ background-color: rgb(48, 191,  
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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