

Converting Colors

CIELCh(69, 48.311, 273.109)

Have a look what the booklet for
CIELCh(69, 48.311, 273.109)
contains.

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Color

CIELCh(69, 48.256, 273.328)

Conversions

Conversions Part 1

Format	Color
Hex	66ABFF
RGB	102, 171, 255
RGB Percent	40%, 67%, 100%
CMY	0.5984, 0.3281, 0.0000
CMYK	0.60, 0.33, 0.00, 0.00
HSL	213°, 100%, 70%
HSV	213°, 60%, 100%
XYZ	38.2600, 39.3444, 100.4949
YIQ	159.9450, -68.0880, 11.4960

Conversions

Conversions Part 2

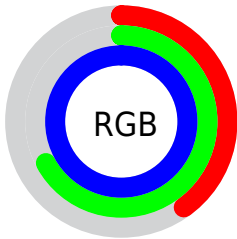
Format	Color
RYB	102, 150, 255
Decimal	6728703
CIELab	69.00, 2.80, -48.17
CIELCh	69, 48.256, 273.328
Yxy	39.3444, 0.2148, 0.2209
Android (android.graphics.Color)	4284918783 (0xFF66ABFF)
YUV	159.9450, 46.8621, -50.8178
Hunter-Lab	62.7251, -0.8905, -51.0838

Details

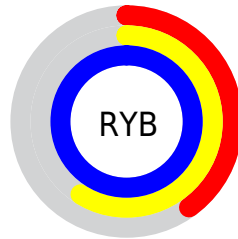
The CIELCh color **69, 48.256, 273.328** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **80, 54.052, 72.380**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 24.160, 237.653**, and **49, 48.486, 273.569** is the 20% darker color. If you saturate the color by 10%, you get **64, 56.046, 276.743**, and if you desaturate by 10%, it is **74, 40.133, 270.125**.

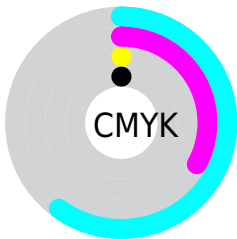
Distribution



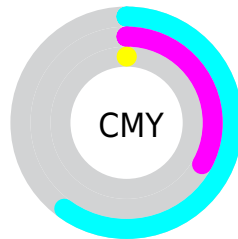
- Red (40%)
- Green (67%)
- Blue (100%)



- Red (40%)
- Yellow (59%)
- Blue (100%)



- Cyan (60%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 48.256, 273.328 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, 48.256, 273.328 by changing the saturation by 10% instead.

 69, 48.256,
273.328

 69, 48.256,
273.328


 100, 48.256,
273.328


 59, 48.256,
273.328


 89, 48.256,
273.328

 49, 48.256,
273.328

 99, 48.256,
273.328

 39, 48.256,
273.328

 29, 48.256,
273.328

 19, 48.256,
273.328

 9, 48.256, 273.328

 0, 48.256, 273.328

69, 48.256,
273.328

69, 48.256,
273.328

64, 56.046,
276.743

74, 40.133,
270.125

60, 64.124,
280.709

79, 32.162,
267.498

55, 72.397,
284.977

84, 24.145,
265.276

51, 80.918,
289.278

89, 16.081,
263.403

51, 81.056,
289.342

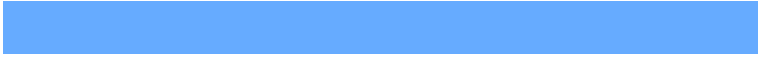
95, 7.987, 261.838

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, 48.256, 273.328



80, 54.052, 72.380

Rectangle

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



69, 48.256, 273.328



69, 48.256, 323.328



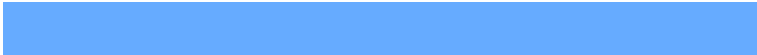
69, 48.256, 93.328



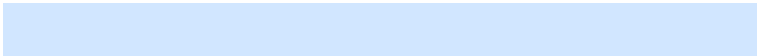
69, 48.256, 143.328

Sweetspot

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



69, 48.076, 273.201



90, 14.593, 263.093



91, 60.706, 158.561



47, 10.136, 263.588



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, 48.076, 273.201



63, 57.778, 277.566



52, 87.535, 300.377



50, 4.614, 261.790



39, 64.111, 288.560



11, 25.887, 282.401

Inverse Universe

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



65, 64.689, 354.016



60, 74.323, 356.919



97, 73.121, 106.226



50, 6.184, 347.126



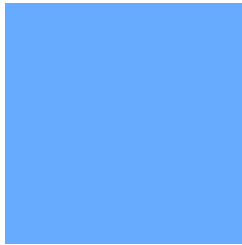
41, 67.998, 6.769



10, 31.499, 0.441

Previews

White Background



This preview shows how the CIE LCh color 69, 48.256, 273.328 looks on a white background.

Color Contrast Check

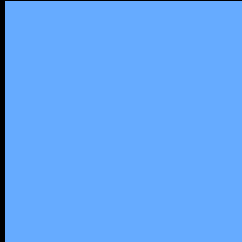
Large Text (above 18pt) WCAG AA × Fail

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, 48.256, 273.328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

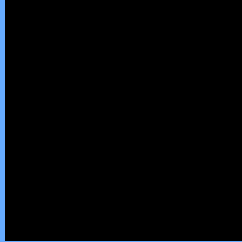
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

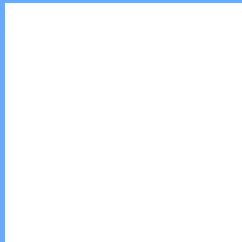
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 48.256, 273.328

Background



This preview shows how black text looks on a background with the CIELCh color 69, 48.256, 273.328.



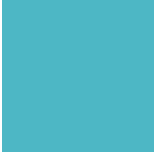
This preview shows how white text looks on a background with the CIELCh color 69, 48.256, 273.328.

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
69, 30.707, 211.855

Trichromacy



Original Color
69, 48.256, 273.328

Protanomaly
69, 46.899, 280.758

Deuteranomaly
69, 48.384, 278.171

Tritanomaly
69, 32.254, 239.974

Monochromacy



Original Color
69, 48.256, 273.328

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 18.804, 265.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 48.256, 273.328 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(102, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 171, 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(102, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 171, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 48.256, 273.328 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(102, 171, 255) }
```

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

```
.border{ border-color:rgb(102, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 171,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 48.256, 273.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 171, 255) }
```

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

```
.background{ background-color: rgb(102,  
171, 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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