

Converting Colors

CIELCh(69, 49.583, 283.386)

Have a look what the booklet for
CIELCh(69, 49.583, 283.386)
contains.

CIELCh(69, 49.341, 283.371)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(69, 49.341, 283.371)

Conversions

Conversions Part 1

Format	Color
Hex	82A6FF
RGB	130, 166, 255
RGB Percent	51%, 65%, 100%
CMY	0.4893, 0.3482, 0.0000
CMYK	0.49, 0.35, 0.00, 0.00
HSL	223°, 100%, 76%
HSV	223°, 49%, 100%
XYZ	40.9995, 39.3444, 100.2303
YIQ	165.3820, -50.0250, 20.0470

Conversions

Conversions Part 2

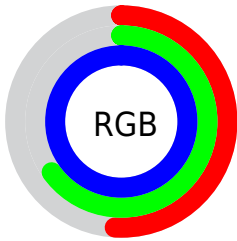
Format	Color
R _Y B	130, 158, 255
Decimal	8562431
CIE Lab	69.00, 11.41, -48.00
CIE LCh	69, 49.341, 283.371
Yxy	39.3444, 0.2271, 0.2179
Android (android.graphics.Color)	4286752511 (0xFF82A6FF)
YUV	165.3820, 44.1817, -31.0300
Hunter-Lab	62.7251, 6.9054, -50.8336

Details

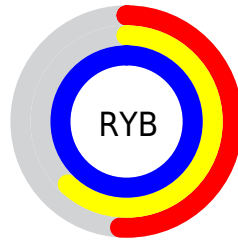
The CIELCh color **69, 49.341, 283.371** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **89, 48.040, 88.178**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 20.397, 260.283**, and **49, 49.200, 283.110** is the 20% darker color. If you saturate the color by 10%, you get **63, 60.058, 286.054**, and if you desaturate by 10%, it is **75, 38.692, 280.958**.

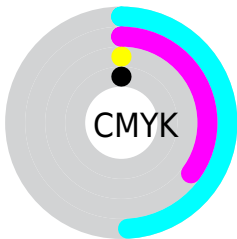
Distribution



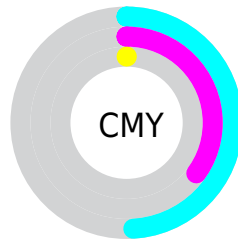
- Red (51%)
- Green (65%)
- Blue (100%)



- Red (51%)
- Yellow (62%)
- Blue (100%)



- Cyan (49%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (35%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 49.341, 283.371 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, 49.341, 283.371 by changing the saturation by 10% instead.


 69, 49.341,
283.371


 69, 49.341,
283.371


 100, 49.341,
283.371


 59, 49.341,
283.371


 89, 49.341,
283.371

 49, 49.341,
283.371

 99, 49.341,
283.371

 39, 49.341,
283.371

 29, 49.341,
283.371

 19, 49.341,
283.371

 9, 49.341, 283.371

 0, 49.341, 283.371

■ 69, 49.341,
283.371

■ 69, 49.341,
283.371

■ 63, 60.058,
286.054

■ 75, 38.692,
280.958

■ 57, 71.231,
289.132

■ 82, 28.429,
278.928

■ 51, 82.715,
292.484

■ 88, 18.403,
277.197

■ 46, 94.330,
295.946

■ 94, 8.595, 275.729

■ 42, 105.625,
299.249

100, 0.012,
296.813

■ 41, 106.792,
299.569

Harmonies

Complementary

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



69, 49.341, 283.371



89, 48.040, 88.178

Rectangle

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



69, 49.341, 283.371



69, 49.341, 333.371



69, 49.341, 103.371



69, 49.341, 153.371

Sweetspot

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



69, 49.222, 283.325



90, 14.524, 276.590



92, 44.174, 170.623



47, 9.930, 276.911



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, 49.222, 283.325



63, 60.135, 286.074



62, 70.216, 302.678



50, 5.475, 275.806



31, 84.533, 298.999



7, 33.920, 294.162

Inverse Universe

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



70, 51.097, 3.432



64, 61.226, 5.807



96, 62.083, 114.700



50, 5.634, 357.628



40, 71.096, 22.308



10, 31.510, 13.551

Previews

White Background



This preview shows how the CIELCh color 69, 49.341, 283.371 looks on a white background.

Color Contrast Check

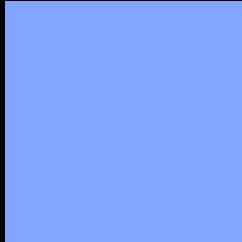
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 69, 49.341, 283.371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

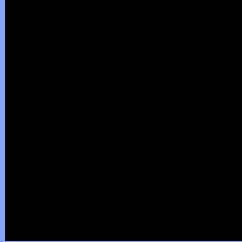
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

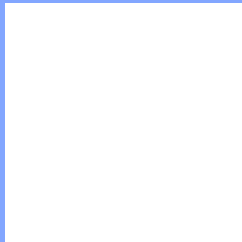
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 49.341, 283.371

Background



This preview shows how black text looks on a background with the CIELCh color 69, 49.341, 283.371.



This preview shows how white text looks on a background with the CIELCh color 69, 49.341, 283.371.

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

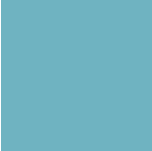
69, 49.341, 283.371

Protanopia

69, 49.104, 285.724

Deuteranopia

69, 48.977, 281.716



Tritanopia
69, 22.610, 217.883

Trichromacy



Original Color
69, 49.341, 283.371

Protanomaly
69, 49.170, 285.135

Deuteranomaly
69, 48.891, 282.269

Tritanomaly
69, 27.873, 255.088

Monochromacy



Original Color
69, 49.341, 283.371

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 18.047, 277.726

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 49.341, 283.371 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(130, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 166, 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(130, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 166, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 49.341, 283.371 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(130, 166, 255) }
```

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

```
.border{ border-color:rgb(130, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 166,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 49.341, 283.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 166, 255) }
```

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

```
.background{ background-color: rgb(130,  
166, 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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