

Converting Colors

CIELCh(69, 51.714, 279.188)

Have a look what the booklet for
CIELCh(69, 51.714, 279.188)
contains.

CIELCh(69, 48.540, 277.410)	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, 48.540, 277.410)

Conversions

Conversions Part 1

Format	Color
Hex	72A9FF
RGB	114, 169, 255
RGB Percent	45%, 66%, 100%
CMY	0.5515, 0.3360, 0.0000
CMYK	0.55, 0.34, 0.00, 0.00
HSL	217°, 100%, 72%
HSV	217°, 55%, 100%
XYZ	39.3455, 39.3444, 100.4330
YIQ	162.3590, -60.3860, 15.0860

Conversions

Conversions Part 2

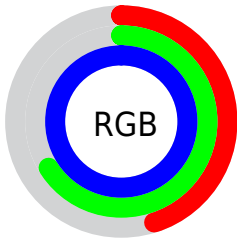
Format	Color
RYB	114, 154, 255
Decimal	7514623
CIELab	69.00, 6.26, -48.13
CIELCh	69, 48.540, 277.410
Yxy	39.3444, 0.2197, 0.2197
Android (android.graphics.Color)	4285704703 (0xFF72A9FF)
YUV	162.3590, 45.6720, -42.4108
Hunter-Lab	62.7251, 2.1985, -51.0253

Details

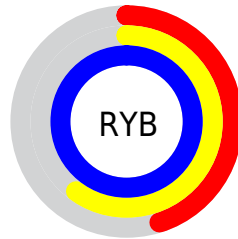
The CIELCh color **69, 48.540, 277.410** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **84, 50.826, 78.693**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 22.144, 246.164**, and **49, 48.837, 277.805** is the 20% darker color. If you saturate the color by 10%, you get **64, 57.432, 280.503**, and if you desaturate by 10%, it is **74, 39.417, 274.528**.

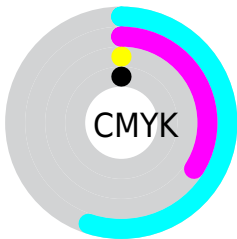
Distribution



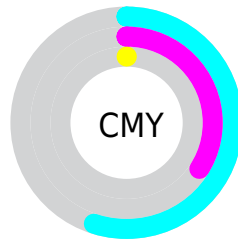
- Red (45%)
- Green (66%)
- Blue (100%)



- Red (45%)
- Yellow (60%)
- Blue (100%)



- Cyan (55%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (55%)
- Magenta (34%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 48.540, 277.410 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, 48.540, 277.410 by changing the saturation by 10% instead.


 69, 48.540,
277.410


 69, 48.540,
277.410


 100, 48.540,
277.410


 59, 48.540,
277.410


 89, 48.540,
277.410

 49, 48.540,
277.410

 99, 48.540,
277.410

 39, 48.540,
277.410

 29, 48.540,
277.410

 19, 48.540,
277.410

 9, 48.540, 277.410

 0, 48.540, 277.410

69, 48.540,
277.410

69, 48.540,
277.410

64, 57.432,
280.503

74, 39.417,
274.528

59, 66.704,
284.098

80, 30.570,
272.150

54, 76.221,
287.991

86, 21.792,
270.129

49, 85.954,
291.996

91, 13.078,
268.417

47, 90.724,
293.858

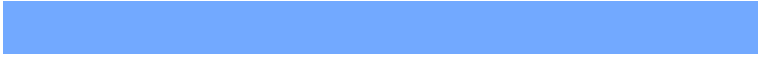
97, 4.430, 266.999

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, 48.540, 277.410



84, 50.826, 78.693

Rectangle

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



69, 48.540, 277.410



69, 48.540, 327.410



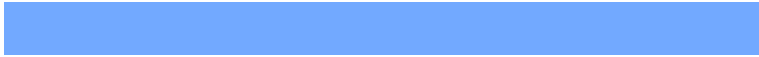
69, 48.540, 97.410



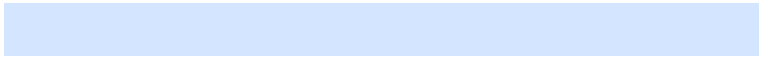
69, 48.540, 147.410

Sweetspot

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



69, 48.356, 277.305



90, 14.689, 268.713



91, 53.352, 163.129



47, 9.832, 269.044



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, 48.356, 277.305



63, 58.216, 280.796



56, 79.935, 300.970



50, 4.900, 267.576



36, 71.733, 293.153



9, 28.803, 287.514

Inverse Universe

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



67, 58.902, 357.302



62, 68.647, 359.884



97, 68.396, 109.744



50, 5.955, 350.810



41, 68.450, 12.704



10, 31.288, 5.575

Previews

White Background



This preview shows how the CIE LCh color 69, 48.540, 277.410 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, 48.540, 277.410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

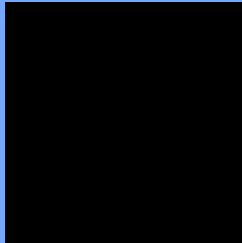
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

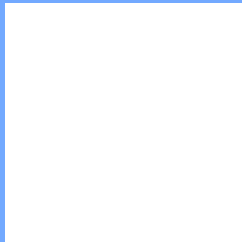
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 48.540, 277.410

Background



This preview shows how black text looks on a background with the CIELCh color 69, 48.540, 277.410.



This preview shows how white text looks on a background with the CIELCh color 69, 48.540, 277.410.

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, 48.540, 277.410

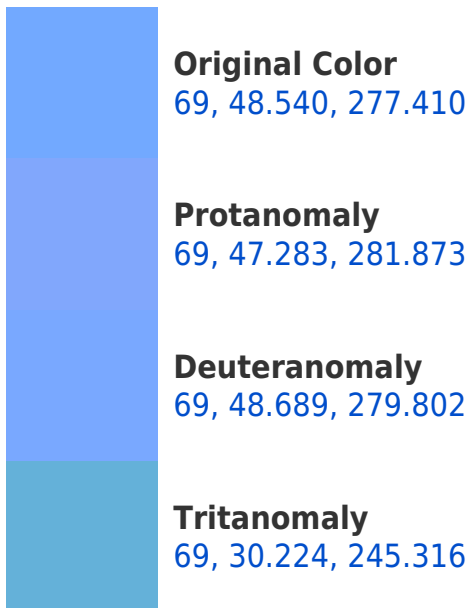
Protanopia
69, 47.479, 285.496

Deuteranopia
69, 49.020, 281.443

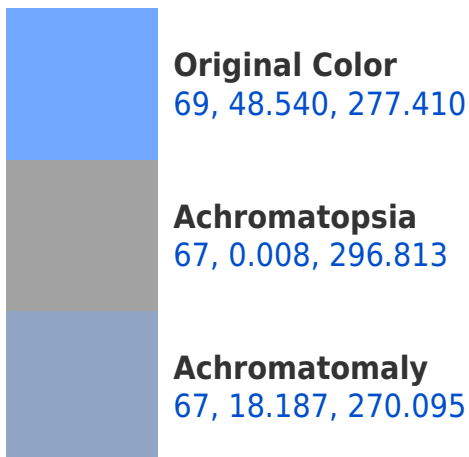


Tritanopia
69, 27.455, 215.107

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 48.540, 277.410 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(114, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 169, 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(114, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 169, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 48.540, 277.410 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(114, 169, 255) }
```

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

```
.border{ border-color:rgb(114, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(114, 169,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 48.540, 277.410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 169, 255) }
```

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

```
.background{ background-color: rgb(114,  
169, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor