

Converting Colors

CIELCh(68, 46.632, 275.110)

Have a look what the booklet for
CIELCh(68, 46.632, 275.110)
contains.

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Color

CIELCh(68, 46.298, 274.904)

Conversions

Conversions Part 1

Format	Color
Hex	6DA8F9
RGB	109, 168, 249
RGB Percent	43%, 66%, 98%
CMY	0.5736, 0.3421, 0.0246
CMYK	0.56, 0.33, 0.00, 0.02
HSL	215°, 92%, 70%
HSV	215°, 56%, 98%
XYZ	37.2878, 37.9720, 94.7700
YIQ	159.5930, -61.1650, 12.6830

Conversions

Conversions Part 2

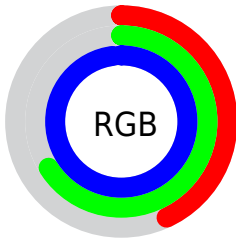
Format	Color
R _Y B	109, 151, 249
Decimal	7186681
CIE Lab	68.00, 3.96, -46.13
CIE LCh	68, 46.298, 274.904
Yxy	37.9720, 0.2193, 0.2233
Android (android.graphics.Color)	4285376761 (0xFF6DA8F9)
YUV	159.5930, 44.0777, -44.3701
Hunter-Lab	61.6215, 0.1748, -48.0493

Details

The CIELCh color **68, 46.298, 274.904** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **81, 50.168, 75.727**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 23.268, 245.109**, and **48, 46.460, 275.168** is the 20% darker color. If you saturate the color by 10%, you get **63, 54.637, 278.213**, and if you desaturate by 10%, it is **73, 38.029, 272.038**.

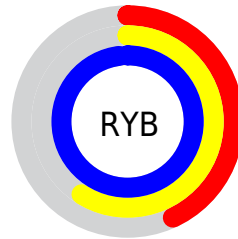
Distribution



Red (43%)

Green (66%)

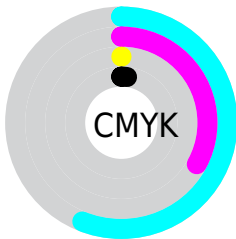
Blue (98%)



Red (43%)

Yellow (59%)

Blue (98%)

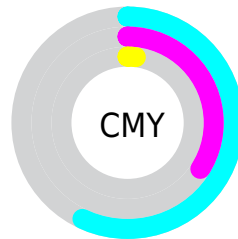


Cyan (56%)

Magenta (33%)

Yellow (0%)

Black (2%)



Cyan (57%)

Magenta (34%)

Yellow (2%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 46.298, 274.904 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 68, 46.298, 274.904 by changing the saturation by 10% instead.


 68, 46.298,
274.904

 68, 46.298,
274.904


 100, 46.298,
274.904


 58, 46.298,
274.904


 88, 46.298,
274.904

 48, 46.298,
274.904

 98, 46.298,
274.904

 38, 46.298,
274.904

 28, 46.298,
274.904

 18, 46.298,
274.904

 8, 46.298, 274.904

 0, 46.298, 274.904

■ 68, 46.298,
274.904

■ 68, 46.298,
274.904

■ 63, 54.637,
278.213

■ 73, 38.029,
272.038

■ 58, 63.117,
281.938

■ 78, 29.790,
269.589

■ 54, 71.805,
285.983

■ 84, 21.562,
267.512

■ 50, 80.720,
290.156

■ 89, 13.344,
265.757

■ 48, 84.085,
291.636

■ 94, 5.147, 264.300

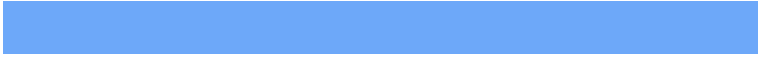
■ 100, 2.715,
103.071

■ 100, 3.166,
109.917

Harmonies

Complementary

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



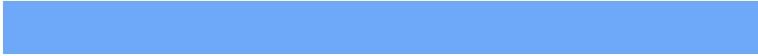
68, 46.298, 274.904



81, 50.168, 75.727

Rectangle

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



68, 46.298, 274.904



68, 46.298, 324.904



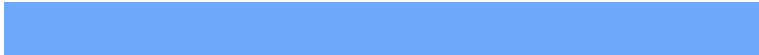
68, 46.298, 94.904



68, 46.298, 144.904

Sweetspot

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



68, 46.297, 274.905



91, 14.213, 265.876



89, 54.836, 160.997



47, 9.509, 266.209



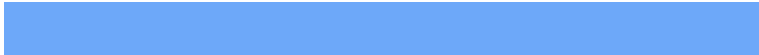
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 46.297, 274.905



64, 57.221, 278.855



54, 80.153, 300.382



49, 4.671, 264.732



37, 67.109, 290.908



10, 26.385, 284.680

Inverse Universe

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



65, 59.455, 355.356



61, 70.797, 358.100



95, 68.111, 108.090



49, 5.968, 348.909



40, 67.432, 9.652



10, 30.548, 2.596

Previews

White Background



This preview shows how the CIELCh color 68, 46.298, 274.904 looks on a white background.

Color Contrast Check

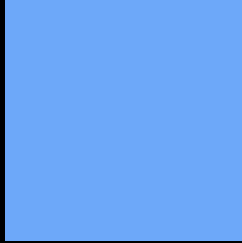
Large Text (above 18pt) WCAG AA × Fail

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 68, 46.298, 274.904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

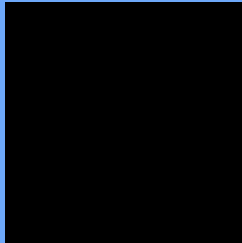
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

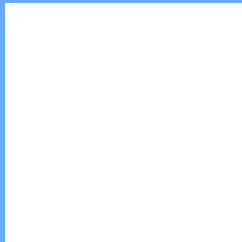
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 46.298, 274.904

Background



This preview shows how black text looks on a background with the CIELCh color 68, 46.298, 274.904.



This preview shows how white text looks on a background with the CIELCh color 68, 46.298, 274.904.

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

68, 46.298, 274.904

Protanopia

68, 45.425, 285.529

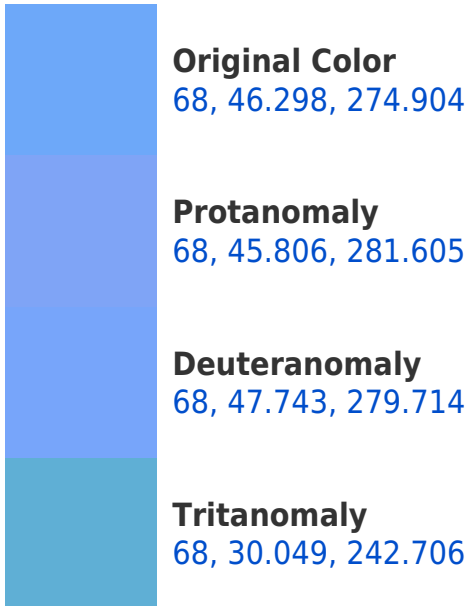
Deuteranopia

68, 47.986, 281.961

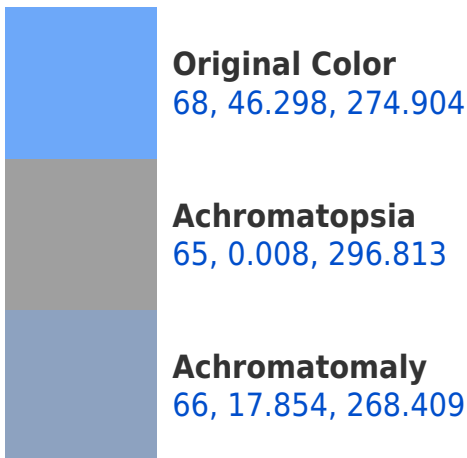


Tritanopia
68, 27.985, 213.542

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 46.298, 274.904 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(109, 168, 249)` looks like.

```
.text, #text, p{  
    color:rgb(109, 168, 249)  
}
```

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(109, 168, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 168, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 46.298, 274.904 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(109, 168, 249) }
```

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

```
.border{ border-color:rgb(109, 168, 249) }
```

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

Here you see how a box with a 4 pixel rgb(109, 168, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 168, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 168, 249);  
box-shadow:4px 4px 4px 4px rgb(109, 168,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 46.298, 274.904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 168, 249) }
```

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

```
.background{ background-color: rgb(109,  
168, 249) }
```

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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