

Converting Colors

CIELCh(67, 46.407, 276.103)

Have a look what the booklet for
CIELCh(67, 46.407, 276.103)
contains.

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Color

CIELCh(67, 46.236, 275.874)

Conversions

Conversions Part 1

Format	Color
Hex	6DA5F6
RGB	109, 165, 246
RGB Percent	43%, 65%, 96%
CMY	0.5742, 0.3544, 0.0369
CMYK	0.56, 0.33, 0.00, 0.04
HSL	215°, 88%, 69%
HSV	215°, 56%, 96%
XYZ	36.2175, 36.6320, 92.0284
YIQ	157.4900, -59.3770, 13.3190

Conversions

Conversions Part 2

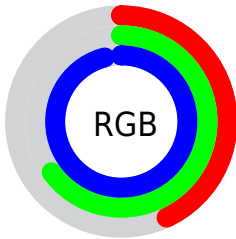
Format	Color
R _Y B	109, 149, 246
Decimal	7185910
CIE Lab	67.00, 4.73, -45.99
CIE LCh	67, 46.236, 275.874
Yxy	36.6320, 0.2197, 0.2222
Android (android.graphics.Color)	4285375990 (0xFF6DA5F6)
YUV	157.4900, 43.6354, -42.5257
Hunter-Lab	60.5244, 0.8959, -47.7845

Details

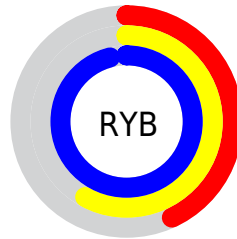
The CIELCh color **67, 46.236, 275.874** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **80, 49.459, 76.960**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 23.966, 249.201**, and **47, 45.913, 275.507** is the 20% darker color. If you saturate the color by 10%, you get **62, 54.712, 279.129**, and if you desaturate by 10%, it is **72, 37.854, 273.051**.

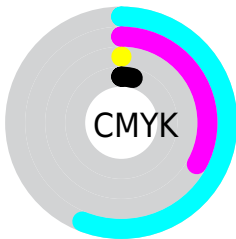
Distribution



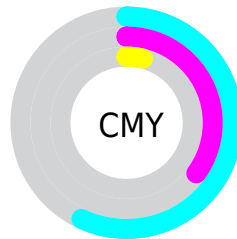
- Red (43%)
- Green (65%)
- Blue (96%)



- Red (43%)
- Yellow (58%)
- Blue (96%)



- Cyan (56%)
- Magenta (33%)
- Yellow (0%)
- Black (4%)



- Cyan (57%)
- Magenta (35%)
- Yellow (4%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 46.236, 275.874 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 67, 46.236, 275.874 by changing the saturation by 10% instead.

 67, 46.236,
275.874


 67, 46.236,
275.874

 100, 46.236,
275.874


 57, 46.236,
275.874


 87, 46.236,
275.874

 47, 46.236,
275.874

 97, 46.236,
275.874

 37, 46.236,
275.874

 27, 46.236,
275.874

 17, 46.236,
275.874

 7, 46.236, 275.874

 0, 46.236, 275.874

67, 46.236,
275.874

67, 46.236,
275.874

62, 54.712,
279.129

72, 37.854,
273.051

57, 63.348,
282.792

77, 29.526,
270.637

53, 72.203,
286.767

83, 21.232,
268.587

48, 81.280,
290.867

88, 12.970,
266.853

47, 85.159,
292.519

94, 4.746, 265.413

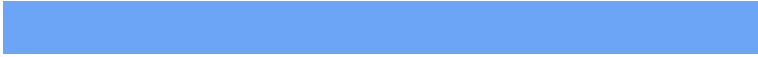
99, 3.297, 89.269

100, 4.755,
109.806

Harmonies

Complementary

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



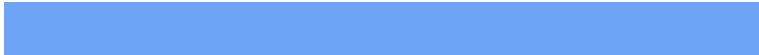
67, 46.236, 275.874



80, 49.459, 76.960

Rectangle

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



67, 46.236, 275.874



67, 46.236, 325.874



67, 46.236, 95.874



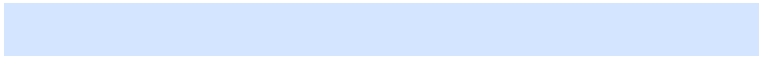
67, 46.236, 145.874

Sweetspot

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



67, 46.235, 275.875



91, 14.403, 267.053



88, 53.067, 162.050



47, 9.638, 267.386



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 46.235, 275.875



64, 57.477, 279.600



53, 78.530, 300.668



48, 4.651, 265.907



35, 67.907, 291.794



9, 26.018, 285.331

Inverse Universe

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



64, 58.114, 356.123



62, 69.775, 358.775



94, 66.960, 108.920



48, 5.822, 349.672



40, 66.853, 10.820



9, 29.691, 3.247

Previews

White Background



This preview shows how the CIELCh color 67, 46.236, 275.874 looks on a white background.

Color Contrast Check

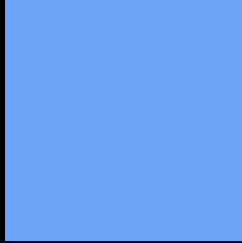
Large Text (above 18pt) WCAG AA × Fail

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 67, 46.236, 275.874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

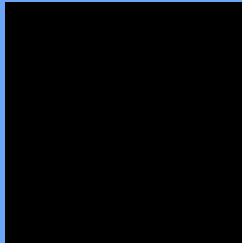
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

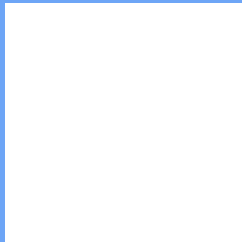
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 46.236, 275.874

Background



This preview shows how black text looks on a background with the CIELCh color 67, 46.236, 275.874.



This preview shows how white text looks on a background with the CIELCh color 67, 46.236, 275.874.

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

67, 46.236, 275.874

Protanopia

67, 44.985, 285.421

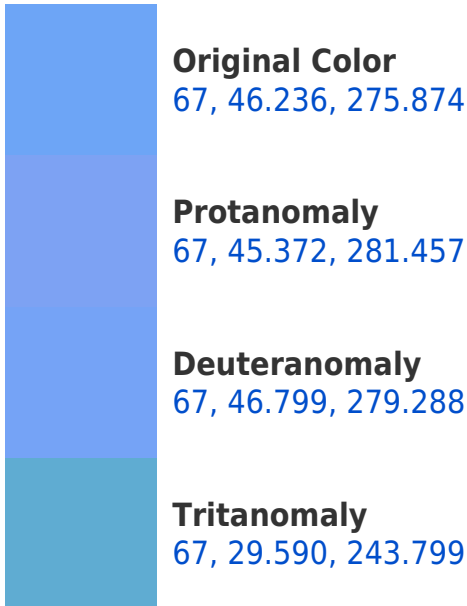
Deuteranopia

67, 47.077, 281.300

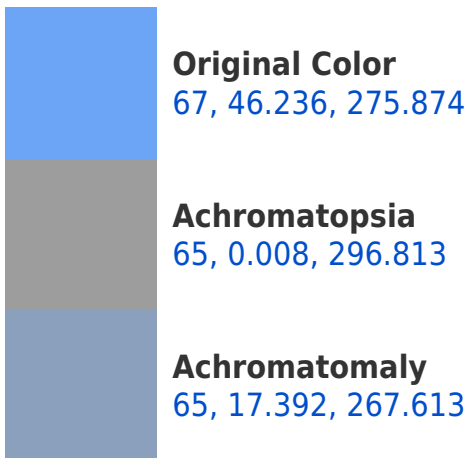


Tritanopia
67, 27.327, 214.021

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 46.236, 275.874 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, 165, 246)` looks like.

```
.text, #text, p{  
    color:rgb(109, 165, 246)  
}
```

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, 165, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 165, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 46.236, 275.874 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, 165, 246) }
```

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

```
.border{ border-color:rgb(109, 165, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 165, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 165, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 165, 246);  
box-shadow:4px 4px 4px 4px rgb(109, 165,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 46.236, 275.874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 165, 246) }
```

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

```
.background{ background-color: rgb(109,  
165, 246) }
```

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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