

Converting Colors

CIELCh(67, 40.605, 272.432)

Have a look what the booklet for
CIELCh(67, 40.605, 272.432)
contains.

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Color

CIELCh(67, 40.605, 272.432)

Conversions

Conversions Part 1

Format	Color
Hex	70A6EC
RGB	112, 166, 236
RGB Percent	44%, 65%, 93%
CMY	0.5620, 0.3501, 0.0757
CMYK	0.53, 0.30, 0.00, 0.08
HSL	214°, 76%, 68%
HSV	214°, 53%, 92%
XYZ	35.3231, 36.6320, 84.3331
YIQ	157.8340, -54.6540, 10.3220

Conversions

Conversions Part 2

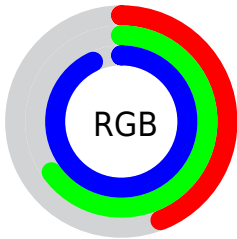
Format	Color
R _Y B	112, 150, 236
Decimal	7382764
CIE Lab	67.00, 1.72, -40.57
CIE LCh	67, 40.605, 272.432
Yxy	36.6320, 0.2260, 0.2344
Android (android.graphics.Color)	4285572844 (0xFF70A6EC)
YUV	157.8340, 38.5358, -40.1964
Hunter-Lab	60.5244, -1.7419, -40.2461

Details

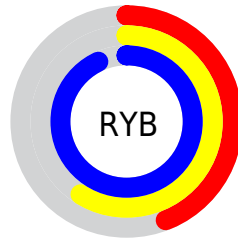
The CIELCh color **67, 40.605, 272.432** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **77, 44.415, 74.977**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 23.415, 248.744**, and **47, 40.928, 272.941** is the 20% darker color. If you saturate the color by 10%, you get **62, 48.321, 275.586**, and if you desaturate by 10%, it is **72, 32.907, 269.721**.

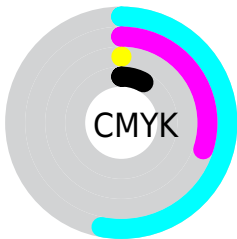
Distribution



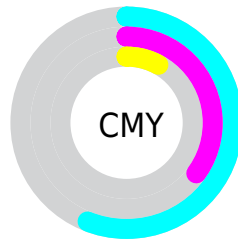
- Red (44%)
- Green (65%)
- Blue (93%)



- Red (44%)
- Yellow (59%)
- Blue (93%)



- Cyan (53%)
- Magenta (30%)
- Yellow (0%)
- Black (8%)





- Cyan (56%)
- Magenta (35%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 40.605, 272.432 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, 40.605, 272.432 by changing the saturation by 10% instead.

 67, 40.605,
272.432


 67, 40.605,
272.432


 100, 40.605,
272.432

 57, 40.605,
272.432


 87, 40.605,
272.432

 47, 40.605,
272.432

 97, 40.605,
272.432

 37, 40.605,
272.432

 27, 40.605,
272.432

 17, 40.605,
272.432

 7, 40.605, 272.432

 0, 40.605, 272.432

67, 40.605,
272.432

67, 40.605,
272.432

62, 48.321,
275.586

72, 32.907,
269.721

58, 56.114,
279.184

77, 25.202,
267.416

53, 64.059,
283.163

82, 17.479,
265.467

49, 72.215,
287.374

87, 9.748, 263.826

47, 78.389,
290.438

92, 2.023, 262.556

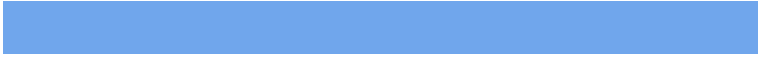
97, 5.680, 81.110

100, 9.772,
109.437

Harmonies

Complementary

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



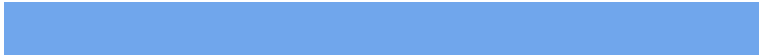
67, 40.605, 272.432



77, 44.415, 74.977

Rectangle

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



67, 40.605, 272.432



67, 40.605, 322.432



67, 40.605, 92.432



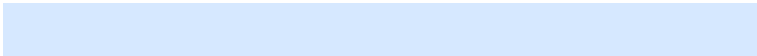
67, 40.605, 142.432

Sweetspot

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



67, 40.604, 272.432



91, 13.184, 264.360



85, 50.282, 160.633



48, 8.901, 264.696



0, 0.000, 0.000



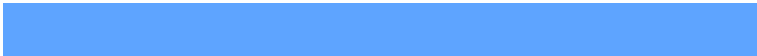
53, 0.007, 296.813

Same Dimension

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



67, 40.604, 272.432



67, 51.828, 275.810



53, 71.252, 299.274



46, 4.375, 263.370



36, 63.197, 289.692



8, 23.023, 282.155

Inverse Universe

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



63, 53.868, 353.657



63, 67.063, 355.834



91, 61.407, 107.573



46, 5.716, 348.062



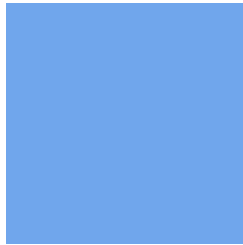
39, 65.307, 8.122



8, 28.124, 0.211

Previews

White Background



This preview shows how the CIELCh color 67, 40.605, 272.432 looks on a white background.

Color Contrast Check

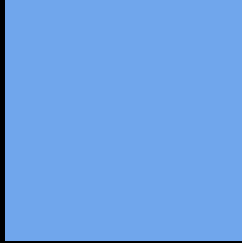
Large Text (above 18pt) WCAG AA × Fail

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, 40.605, 272.432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

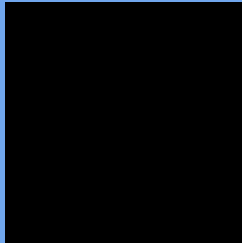
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

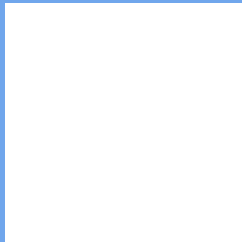
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 40.605, 272.432

Background



This preview shows how black text looks on a background with the CIELCh color 67, 40.605, 272.432.



This preview shows how white text looks on a background with the CIELCh color 67, 40.605, 272.432.

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, 40.605, 272.432

Protanopia

67, 39.452, 285.348

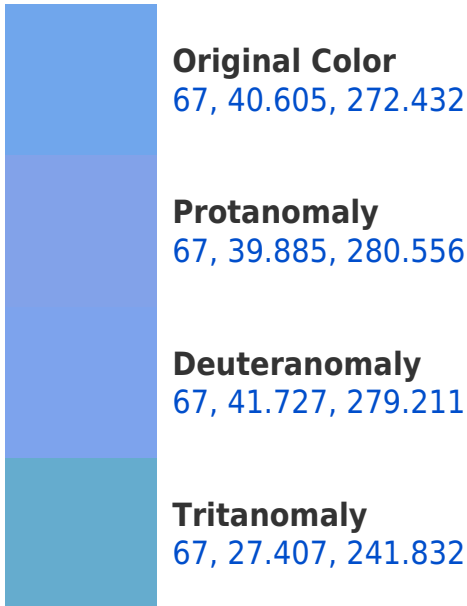
Deuteranopia

67, 42.427, 282.955

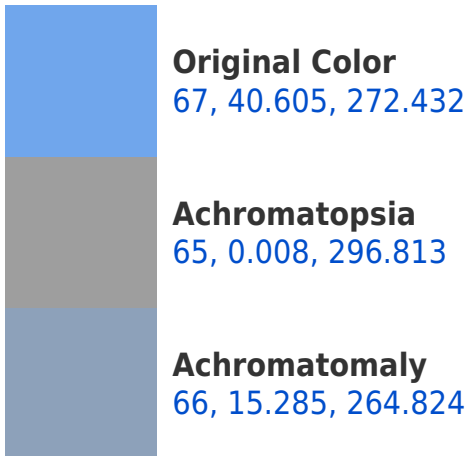


Tritanopia
67, 25.398, 215.468

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 40.605, 272.432 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(112, 166, 236)` looks like.

```
.text, #text, p{  
    color:rgb(112, 166, 236)  
}
```

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(112, 166, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 166, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 40.605, 272.432 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(112, 166, 236) }
```

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

```
.border{ border-color:rgb(112, 166, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 166, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 166, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 166, 236);  
box-shadow:4px 4px 4px 4px rgb(112, 166,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 40.605, 272.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 166, 236) }
```

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

```
.background{ background-color: rgb(112,  
166, 236) }
```

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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