

Converting Colors

CIELCh(67, 41.736, 280.788)

Have a look what the booklet for
CIELCh(67, 41.736, 280.788)
contains.

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Color

CIELCh(67, 42.084, 280.911)

Conversions

Conversions Part 1

Format	Color
Hex	80A2ED
RGB	128, 162, 237
RGB Percent	50%, 64%, 93%
CMY	0.4973, 0.3640, 0.0698
CMYK	0.46, 0.32, 0.00, 0.07
HSL	221°, 75%, 72%
HSV	221°, 46%, 93%
XYZ	37.1955, 36.6320, 85.3771
YIQ	160.3840, -44.3390, 16.1170

Conversions

Conversions Part 2

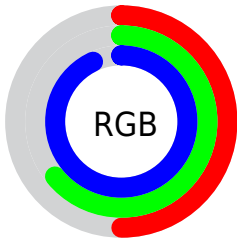
Format	Color
R _Y B	128, 154, 237
Decimal	8430317
CIE Lab	67.00, 7.97, -41.32
CIE LCh	67, 42.084, 280.911
Yxy	36.6320, 0.2336, 0.2301
Android (android.graphics.Color)	4286620397 (0xFF80A2ED)
YUV	160.3840, 37.7717, -28.4008
Hunter-Lab	60.5244, 3.7803, -41.2688

Details

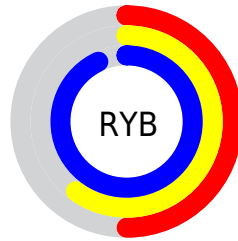
The CIELCh color `67, 42.084, 280.911` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `83, 41.777, 86.777`, and the grayscale version is `66, 0.008, 296.813`.

A 20% lighter version of the original color is `86, 22.092, 264.250`, and `47, 42.077, 280.854` is the 20% darker color. If you saturate the color by 10%, you get `61, 51.811, 283.559`, and if you desaturate by 10%, it is `73, 32.591, 278.627`.

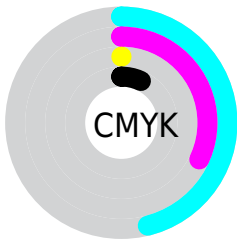
Distribution



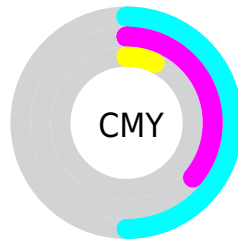
- Red (50%)
- Green (64%)
- Blue (93%)



- Red (50%)
- Yellow (60%)
- Blue (93%)



- Cyan (46%)
- Magenta (32%)
- Yellow (0%)
- Black (7%)



- Cyan (50%)
- Magenta (36%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 42.084, 280.911 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, 42.084, 280.911 by changing the saturation by 10% instead.

■ 67, 42.084,
280.911

■ 67, 42.084,
280.911

■ 100, 42.084,
280.911

■ 57, 42.084,
280.911

■ 87, 42.084,
280.911

■ 47, 42.084,
280.911

■ 97, 42.084,
280.911

■ 37, 42.084,
280.911

■ 27, 42.084,
280.911

■ 17, 42.084,
280.911

■ 7, 42.084, 280.911

■ 0, 42.084, 280.911

67, 42.084,
280.911

67, 42.084,
280.911

61, 51.811,
283.559

73, 32.591,
278.627

56, 61.813,
286.577

79, 23.301,
276.673

51, 72.109,
289.918

84, 14.193,
275.008

46, 82.639,
293.460

90, 5.254, 273.608

41, 93.157,
296.990

96, 3.520, 92.257

100, 9.015,
109.494

40, 97.320,
298.309

Harmonies

Complementary

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



67, 42.084, 280.911



83, 41.777, 86.777

Rectangle

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



67, 42.084, 280.911



67, 42.084, 330.911



67, 42.084, 100.911



67, 42.084, 150.911

Sweetspot

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



67, 42.083, 280.911



91, 13.185, 274.722



87, 40.027, 169.877



47, 9.120, 275.049



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, 42.083, 280.911



66, 53.960, 283.351



60, 61.841, 301.806



47, 5.070, 274.070



30, 78.987, 297.741



6, 28.991, 291.019

Inverse Universe

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



67, 45.511, 1.080



66, 57.533, 3.035



90, 55.133, 114.150



47, 5.417, 355.993



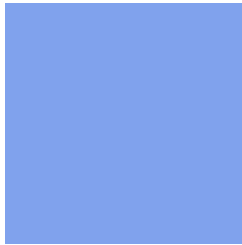
39, 68.130, 20.009



8, 28.768, 9.572

Previews

White Background



This preview shows how the CIE LCh color 67, 42.084, 280.911 looks on a white background.

Color Contrast Check

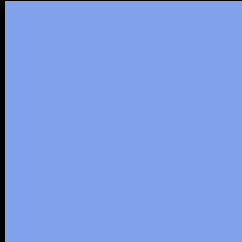
Large Text (above 18pt) WCAG AA × Fail

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, 42.084, 280.911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

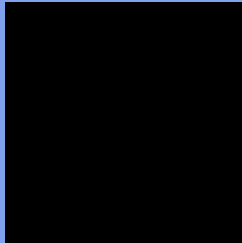
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 42.084, 280.911

Background



This preview shows how black text looks on a background with the CIELCh color 67, 42.084, 280.911.



This preview shows how white text looks on a background with the CIELCh color 67, 42.084, 280.911.

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, 42.084, 280.911

Protanopia

67, 41.669, 285.345

Deuteranopia

67, 42.470, 282.602



Tritanopia
67, 20.371, 220.490

Trichromacy



Original Color
67, 42.084, 280.911

Protanomaly
67, 41.813, 283.448

Deuteranomaly
67, 42.514, 282.252

Tritanomaly
67, 24.901, 254.424

Monochromacy



Original Color
67, 42.084, 280.911

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 15.944, 276.662

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 42.084, 280.911 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(128, 162, 237)` looks like.

```
.text, #text, p{  
    color:rgb(128, 162, 237)  
}
```

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(128, 162, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 162, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 42.084, 280.911 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(128, 162, 237) }
```

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

```
.border{ border-color:rgb(128, 162, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 162, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 162, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 162, 237);  
box-shadow:4px 4px 4px 4px rgb(128, 162,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 42.084, 280.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 162, 237) }
```

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

```
.background{ background-color: rgb(128,  
162, 237) }
```

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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