

Converting Colors

CIELCh(68, 36.650, 273.506)

Have a look what the booklet for
CIELCh(68, 36.650, 273.506)
contains.

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Color

CIELCh(68, 36.337, 272.955)

Conversions

Conversions Part 1

Format	Color
Hex	7CA8E7
RGB	124, 168, 231
RGB Percent	49%, 66%, 91%
CMY	0.5144, 0.3418, 0.0948
CMYK	0.46, 0.27, 0.00, 0.09
HSL	215°, 69%, 70%
HSV	215°, 46%, 91%
XYZ	36.6544, 37.9720, 80.8616
YIQ	162.0260, -46.4470, 10.2650

Conversions

Conversions Part 2

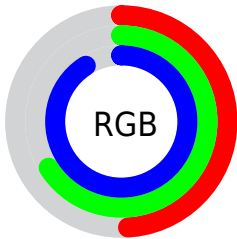
Format	Color
RYB	124, 155, 231
Decimal	8169703
CIELab	68.00, 1.87, -36.29
CIElCh	68, 36.337, 272.955
Yxy	37.9720, 0.2357, 0.2442
Android (android.graphics.Color)	4286359783 (0xFF7CA8E7)
YUV	162.0260, 34.0042, -33.3488
Hunter-Lab	61.6215, -1.6602, -34.6672

Details

The CIELCh color `68, 36.337, 272.955` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `78, 38.609, 78.152`, and the grayscale version is `66, 0.008, 296.813`.

A 20% lighter version of the original color is `87, 21.026, 252.042`, and `48, 36.407, 273.152` is the 20% darker color. If you saturate the color by 10%, you get `63, 44.274, 275.789`, and if you desaturate by 10%, it is `73, 28.445, 270.530`.

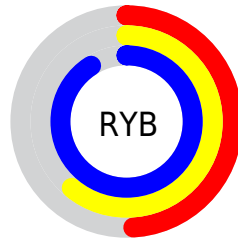
Distribution



Red (49%)

Green (66%)

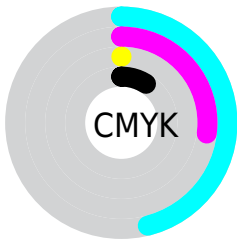
Blue (91%)



Red (49%)

Yellow (61%)

Blue (91%)

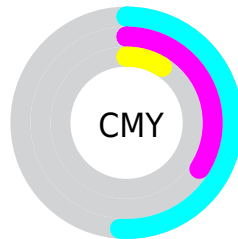


Cyan (46%)

Magenta (27%)

Yellow (0%)

Black (9%)



Cyan (51%)


Magenta (34%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 36.337, 272.955 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, 36.337, 272.955 by changing the saturation by 10% instead.


 68, 36.337,
272.955


 68, 36.337,
272.955


 100, 36.337,
272.955


 58, 36.337,
272.955


 88, 36.337,
272.955

 48, 36.337,
272.955

 98, 36.337,
272.955

 38, 36.337,
272.955

 28, 36.337,
272.955

 18, 36.337,
272.955

 8, 36.337, 272.955

 0, 36.337, 272.955

68, 36.337,
272.955

68, 36.337,
272.955

63, 44.274,
275.789

73, 28.445,
270.530

58, 52.300,
279.052

78, 20.583,
268.470

54, 60.475,
282.722

83, 12.747,
266.726

49, 68.856,
286.699

88, 4.945, 265.274

46, 77.447,
290.796

93, 2.814, 83.812

44, 80.627,
292.213

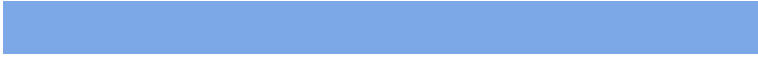
98, 9.627, 97.196

99, 12.240,
109.252

Harmonies

Complementary

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



68, 36.337, 272.955



78, 38.609, 78.152

Rectangle

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



68, 36.337, 272.955



68, 36.337, 322.955



68, 36.337, 92.955



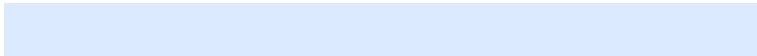
68, 36.337, 142.955

Sweetspot

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



68, 36.336, 272.955



92, 11.826, 266.369



84, 42.918, 163.440



48, 8.168, 266.709



0, 0.000, 0.000



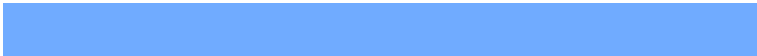
53, 0.007, 296.813

Same Dimension

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



68, 36.336, 272.955



69, 47.698, 275.774



57, 60.968, 299.031



45, 4.401, 265.690



34, 65.346, 291.503



7, 22.919, 283.325

Inverse Universe

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



65, 46.510, 354.188



66, 60.152, 356.033



89, 53.871, 109.607



45, 5.529, 349.528



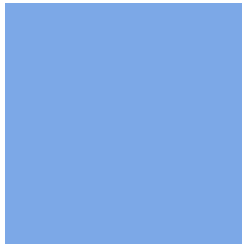
38, 64.765, 10.431



7, 26.963, 1.510

Previews

White Background



This preview shows how the CIELCh color 68, 36.337, 272.955 looks on a white background.

Color Contrast Check

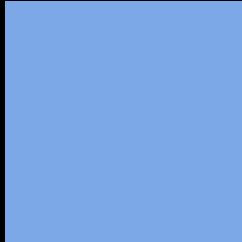
Large Text (above 18pt) WCAG AA × Fail

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 68, 36.337, 272.955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

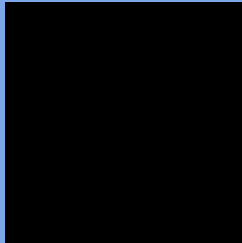
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

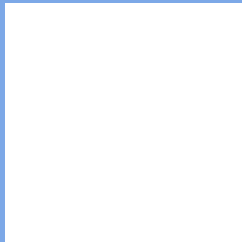
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 36.337, 272.955

Background



This preview shows how black text looks on a background with the CIELCh color 68, 36.337, 272.955.



This preview shows how white text looks on a background with the CIELCh color 68, 36.337, 272.955.

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, 36.337, 272.955

Protanopia

68, 35.464, 285.163

Deuteranopia

68, 38.292, 284.421



Tritanopia
68, 21.623, 218.961

Trichromacy



Original Color
68, 36.337, 272.955

Protanomaly
68, 35.306, 280.214

Deuteranomaly
68, 37.567, 280.092

Tritanomaly
68, 24.319, 245.267

Monochromacy



Original Color
68, 36.337, 272.955

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 13.728, 267.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 36.337, 272.955 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(124, 168, 231)` looks like.

```
.text, #text, p{  
    color:rgb(124, 168, 231)  
}
```

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(124, 168, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 168, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 36.337, 272.955 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(124, 168, 231) }
```

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

```
.border{ border-color:rgb(124, 168, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 168, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 168, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 168, 231); box-shadow:4px 4px 4px 4px rgb(124, 168, 231) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 36.337, 272.955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 168, 231) }
```

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

```
.background{ background-color: rgb(124,  
168, 231) }
```

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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