

Converting Colors

CIELCh(68, 36.884, 292.071)

Have a look what the booklet for
CIELCh(68, 36.884, 292.071)
contains.

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Color

CIELCh(68, 36.941, 292.364)

Conversions

Conversions Part 1

Format	Color
Hex	9DA0E3
RGB	157, 160, 227
RGB Percent	62%, 63%, 89%
CMY	0.3834, 0.3716, 0.1088
CMYK	0.31, 0.29, 0.00, 0.11
HSL	237°, 56%, 75%
HSV	237°, 31%, 89%
XYZ	40.4598, 37.9720, 78.0471
YIQ	166.7410, -23.2950, 20.2010

Conversions

Conversions Part 2

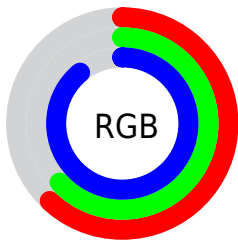
Format	Color
R _Y B	157, 160, 227
Decimal	10330339
CIE Lab	68.00, 14.06, -34.16
CIE LCh	68, 36.941, 292.364
Yxy	37.9720, 0.2586, 0.2427
Android (android.graphics.Color)	4288520419 (0xFF9DA0E3)
YUV	166.7410, 29.7077, -8.5429
Hunter-Lab	61.6215, 9.3631, -31.9592

Details

The CIELCh color $68, 36.941, 292.364$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $88, 34.476, 105.308$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 20.961, 290.094$, and $48, 36.545, 291.900$ is the 20% darker color. If you saturate the color by 10%, you get $61, 49.964, 294.120$, and if you desaturate by 10%, it is $75, 24.447, 290.862$.

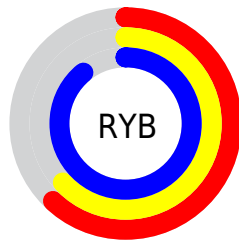
Distribution



Red (62%)

Green (63%)

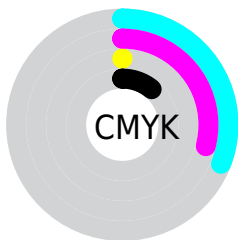
Blue (89%)



Red (62%)

Yellow (63%)

Blue (89%)

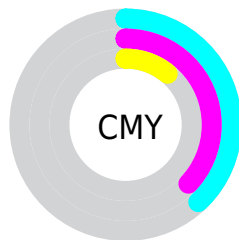


Cyan (31%)

Magenta (29%)

Yellow (0%)

Black (11%)



Cyan (38%)


Magenta (37%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 36.941, 292.364 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, 36.941, 292.364 by changing the saturation by 10% instead.


 68, 36.941,
292.364


 68, 36.941,
292.364


 100, 36.941,
292.364


 58, 36.941,
292.364


 88, 36.941,
292.364

 48, 36.941,
292.364

 98, 36.941,
292.364

 38, 36.941,
292.364

 28, 36.941,
292.364

 18, 36.941,
292.364

 8, 36.941, 292.364

 0, 36.941, 292.364

■ 68, 36.941,
292.364

■ 68, 36.941,
292.364

■ 61, 49.964,
294.120

■ 75, 24.447,
290.862

■ 54, 63.515,
296.141

■ 83, 12.454,
289.589

■ 47, 77.480,
298.395

■ 90, 0.922, 288.595

■ 40, 91.469,
300.770

■ 97, 10.184,
107.567

■ 35, 104.541,
303.040

■ 99, 14.044,
109.116

■ 31, 115.036,
304.874

■ 29, 120.893,
305.890

Harmonies

Complementary

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



68, 36.941, 292.364



88, 34.476, 105.308

Rectangle

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



68, 36.941, 292.364



68, 36.941, 342.364



68, 36.941, 112.364



68, 36.941, 162.364

Sweetspot

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



68, 36.940, 292.364



93, 11.351, 289.388



86, 23.082, 193.250



48, 7.909, 289.556



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, 36.940, 292.364



71, 49.369, 293.462



70, 39.959, 308.923



44, 6.581, 289.434



22, 100.419, 305.752



3, 32.675, 295.950

Inverse Universe

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



72, 27.985, 18.770



76, 37.679, 19.711



87, 38.069, 125.812



45, 4.819, 16.475



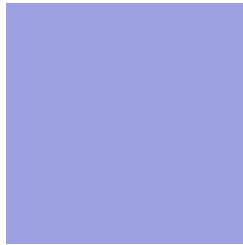
37, 78.140, 38.229



6, 26.967, 19.997

Previews

White Background



This preview shows how the CIELCh color 68, 36.941, 292.364 looks on a white background.

Color Contrast Check

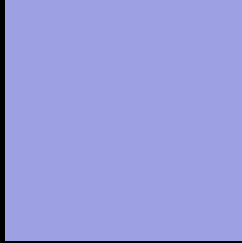
Large Text (above 18pt) WCAG AA × Fail

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, 36.941, 292.364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

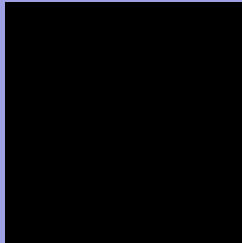
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 36.941, 292.364

Background



This preview shows how black text looks on a background with the CIELCh color 68, 36.941, 292.364.



This preview shows how white text looks on a background with the CIELCh color 68, 36.941, 292.364.

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, 36.941, 292.364

Protanopia

68, 37.078, 285.760

Deuteranopia

68, 35.430, 285.640



Tritanopia
68, 10.164, 243.945

Trichromacy



Original Color
68, 36.941, 292.364

Protanomaly
68, 36.980, 288.069

Deuteranomaly
68, 35.873, 288.239

Tritanomaly
68, 18.202, 275.684

Monochromacy



Original Color
68, 36.941, 292.364

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 13.226, 288.439

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 36.941, 292.364 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(157, 160, 227)` looks like.

```
.text, #text, p{  
    color:rgb(157, 160, 227)  
}
```

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(157, 160, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 160, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 36.941, 292.364 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(157, 160, 227) }
```

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

```
.border{ border-color:rgb(157, 160, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 160, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 160, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 160, 227);  
box-shadow:4px 4px 4px 4px rgb(157, 160,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 36.941, 292.364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 160, 227) }
```

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

```
.background{ background-color: rgb(157,  
160, 227) }
```

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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