

Converting Colors

CIELCh(68, 33.533, 291.784)

Have a look what the booklet for
CIELCh(68, 33.533, 291.784)
contains.

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Color

CIELCh(68, 33.625, 291.873)

Conversions

Conversions Part 1

Format	Color
Hex	9EA1DE
RGB	158, 161, 222
RGB Percent	62%, 63%, 87%
CMY	0.3809, 0.3691, 0.1299
CMYK	0.29, 0.27, 0.00, 0.13
HSL	237°, 49%, 74%
HSV	237°, 29%, 87%
XYZ	39.9685, 37.9720, 74.2412
YIQ	167.0570, -21.3690, 18.3350

Conversions

Conversions Part 2

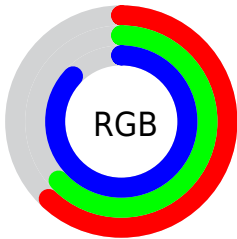
Format	Color
R_{YB}	158, 161, 222
Decimal	10396126
CIE _{Lab}	68.00, 12.53, -31.20
CIE _{LCh}	68, 33.625, 291.873
Yxy	37.9720, 0.2626, 0.2495
Android (android.graphics.Color)	4288586206 (0xFF9EA1DE)
YUV	167.0570, 27.0869, -7.9430
Hunter-Lab	61.6215, 7.9399, -28.2972

Details

The CIELCh color $68, 33.625, 291.873$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $86, 31.567, 105.319$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 20.421, 289.994$, and $48, 33.581, 291.736$ is the 20% darker color. If you saturate the color by 10%, you get $61, 46.229, 293.578$, and if you desaturate by 10%, it is $75, 21.530, 290.417$.

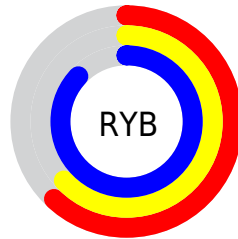
Distribution



Red (62%)

Green (63%)

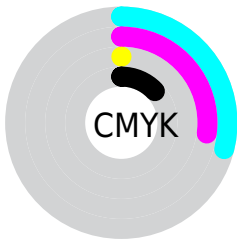
Blue (87%)



Red (62%)

Yellow (63%)

Blue (87%)

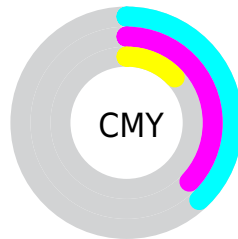


Cyan (29%)

Magenta (27%)

Yellow (0%)

Black (13%)



Cyan (38%)


Magenta (37%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 33.625, 291.873 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, 33.625, 291.873 by changing the saturation by 10% instead.


 68, 33.625,
291.873


 68, 33.625,
291.873


 100, 33.625,
291.873


 58, 33.625,
291.873


 88, 33.625,
291.873

 48, 33.625,
291.873

 98, 33.625,
291.873

 38, 33.625,
291.873

 28, 33.625,
291.873

 18, 33.625,
291.873

 8, 33.625, 291.873

 0, 33.625, 291.873

68, 33.625,
291.873

68, 33.625,
291.873

61, 46.229,
293.578

75, 21.530,
290.417

54, 59.354,
295.549

82, 9.914, 289.185

89, 1.262, 108.053

47, 72.924,
297.766

96, 12.031,
107.222

41, 86.644,
300.140

99, 16.754,
108.911

35, 99.753,
302.474

31, 110.796,
304.457

28, 117.971,
305.752

28, 118.511,

Harmonies

Complementary

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



68, 33.625, 291.873



86, 31.567, 105.319

Rectangle

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



68, 33.625, 291.873



68, 33.625, 341.873



68, 33.625, 111.873



68, 33.625, 161.873

Sweetspot

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



68, 33.624, 291.873



93, 11.301, 289.210



84, 21.347, 193.379



48, 7.874, 289.379



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, 33.624, 291.873



72, 46.287, 292.939



70, 36.596, 308.805



43, 6.432, 289.254



21, 99.130, 305.689



2, 30.601, 294.875

Inverse Universe

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



71, 25.514, 18.184



77, 35.397, 19.084



85, 34.986, 125.912



44, 4.731, 16.135



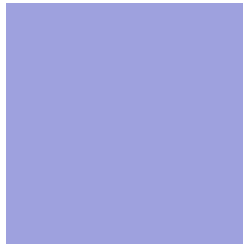
36, 77.115, 38.033



6, 25.434, 18.967

Previews

White Background



This preview shows how the CIELCh color 68, 33.625, 291.873 looks on a white background.

Color Contrast Check

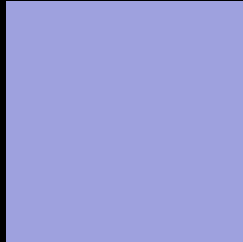
Large Text (above 18pt) WCAG AA × Fail

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, 33.625, 291.873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

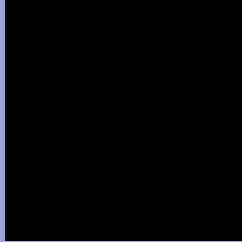
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 33.625, 291.873

Background



This preview shows how black text looks on a background with the CIELCh color 68, 33.625, 291.873.



This preview shows how white text looks on a background with the CIELCh color 68, 33.625, 291.873.

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, 33.625, 291.873

Protanopia

68, 33.779, 285.532

Deuteranopia

68, 32.064, 286.530



Tritanopia
68, 9.874, 250.659

Trichromacy



Original Color
68, 33.625, 291.873

Protanomaly
68, 33.678, 288.135

Deuteranomaly
68, 32.551, 288.912

Tritanomaly
68, 17.465, 278.281

Monochromacy



Original Color
68, 33.625, 291.873

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 12.118, 289.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 33.625, 291.873 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(158, 161, 222)` looks like.

```
.text, #text, p{  
    color:rgb(158, 161, 222)  
}
```

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(158, 161, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 161, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 33.625, 291.873 is called "border". The border property can be set on classes, ids or directly on the HTML element.

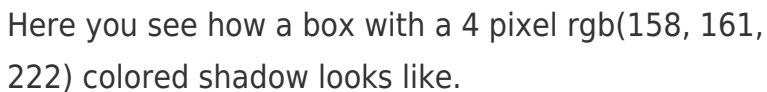
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 161, 222) }
```

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

```
.border{ border-color:rgb(158, 161, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 161, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 161, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 161, 222); box-shadow:4px 4px 4px 4px rgb(158, 161, 222) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 33.625, 291.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 161, 222) }
```

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

```
.background{ background-color: rgb(158,  
161, 222) }
```

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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