

Converting Colors

CIELCh(68, 29.903, 293.367)

Have a look what the booklet for
CIELCh(68, 29.903, 293.367)
contains.

CIELCh(68, 29.793, 293.144)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(68, 29.793, 293.144)

Conversions

Conversions Part 1

Format	Color
Hex	A1A1D7
RGB	161, 161, 215
RGB Percent	63%, 63%, 84%
CMY	0.3686, 0.3686, 0.1569
CMYK	0.25, 0.25, 0.00, 0.16
HSL	240°, 40%, 74%
HSV	240°, 25%, 84%
XYZ	39.7075, 37.9720, 69.5252
YIQ	167.1560, -17.3340, 16.7940

Conversions

Conversions Part 2

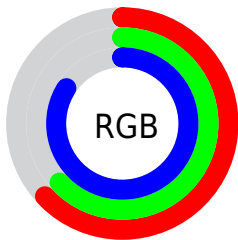
Format	Color
R _Y B	161, 161, 215
Decimal	10592727
CIE Lab	68.00, 11.71, -27.40
CIE LCh	68, 29.793, 293.144
Yxy	37.9720, 0.2697, 0.2580
Android (android.graphics.Color)	4288782807 (0xFFA1A1D7)
YUV	167.1560, 23.5871, -5.3988
Hunter-Lab	61.6215, 7.1840, -23.7597

Details

The CIELCh color `68, 29.793, 293.144` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `85, 28.072, 107.748`, and the grayscale version is `68, 0.008, 296.813`.

A 20% lighter version of the original color is `88, 20.429, 292.790`, and `48, 29.486, 292.686` is the 20% darker color. If you saturate the color by 10%, you get `61, 42.554, 294.704`, and if you desaturate by 10%, it is `75, 17.562, 291.816`.

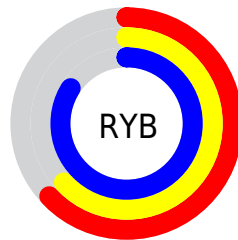
Distribution



Red (63%)

Green (63%)

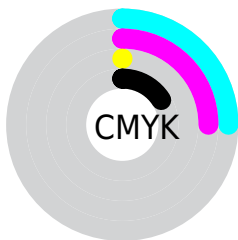
Blue (84%)



Red (63%)

Yellow (63%)

Blue (84%)

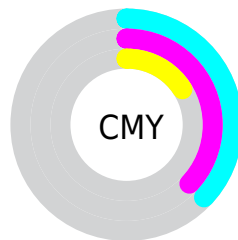


Cyan (25%)

Magenta (25%)

Yellow (0%)

Black (16%)



Cyan (37%)

Magenta (37%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 29.793, 293.144 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, 29.793, 293.144 by changing the saturation by 10% instead.

■ 68, 29.793,
293.144

■ 68, 29.793,
293.144

■ 100, 29.793,
293.144

■ 58, 29.793,
293.144

■ 88, 29.793,
293.144

■ 48, 29.793,
293.144

■ 98, 29.793,
293.144

■ 38, 29.793,
293.144

■ 28, 29.793,
293.144

■ 18, 29.793,
293.144

■ 8, 29.793, 293.144

■ 0, 29.793, 293.144

68, 29.793,
293.144

68, 29.793,
293.144

61, 42.554,
294.704

75, 17.562,
291.816

54, 55.858,
296.515

82, 5.831, 290.697

89, 5.439, 109.718

47, 69.630,
298.563

96, 16.284,
108.916

40, 83.577,
300.767

99, 20.217,
108.647

35, 96.931,
302.940

30, 108.184,
304.772

27, 115.372,
305.926

26, 117.646,

Harmonies

Complementary

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



68, 29.793, 293.144



85, 28.072, 107.748

Rectangle

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



68, 29.793, 293.144



68, 29.793, 343.144



68, 29.793, 113.144



68, 29.793, 163.144

Sweetspot

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



68, 29.792, 293.143



93, 10.528, 291.007



82, 18.200, 196.629



49, 7.504, 291.173



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, 29.792, 293.143



75, 41.322, 293.921



70, 31.069, 309.709



41, 6.500, 291.153



20, 99.123, 306.287



2, 27.576, 294.042

Inverse Universe

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



71, 21.474, 21.350



80, 30.038, 21.947



83, 29.970, 127.314



42, 4.550, 19.928



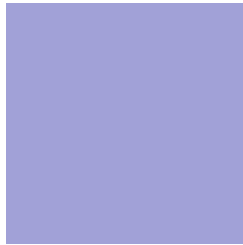
35, 77.348, 39.898



5, 22.000, 19.766

Previews

White Background



This preview shows how the CIELCh color 68, 29.793, 293.144 looks on a white background.

Color Contrast Check

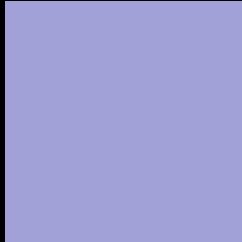
Large Text (above 18pt) WCAG AA × Fail

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, 29.793, 293.144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

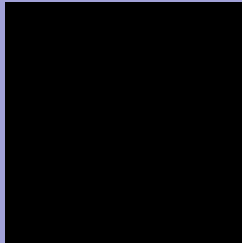
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 29.793, 293.144

Background



This preview shows how black text looks on a background with the CIELCh color 68, 29.793, 293.144.



This preview shows how white text looks on a background with the CIELCh color 68, 29.793, 293.144.

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, 29.793, 293.144

Protanopia

68, 29.358, 284.899

Deuteranopia

68, 28.703, 287.829



Tritanopia
68, 8.907, 259.467

Trichromacy



Original Color
68, 29.793, 293.144

Protanomaly
68, 29.248, 287.992

Deuteranomaly
68, 29.231, 289.892

Tritanomaly
68, 15.612, 281.467

Monochromacy



Original Color
68, 29.793, 293.144

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 10.468, 291.243

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 29.793, 293.144 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(161, 161, 215)` looks like.

```
.text, #text, p{  
    color:rgb(161, 161, 215)  
}
```

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(161, 161, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 161, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 29.793, 293.144 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(161, 161, 215) }
```

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

```
.border{ border-color:rgb(161, 161, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 161, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 161, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 161, 215); box-shadow:4px 4px 4px 4px rgb(161, 161, 215) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 29.793, 293.144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 161, 215) }
```

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

```
.background{ background-color: rgb(161,  
161, 215) }
```

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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