

Converting Colors

CIELCh(66, 28.628, 286.120)

Have a look what the booklet for
CIELCh(66, 28.628, 286.120)
contains.

CIELCh(66, 28.395, 285.837)	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(66, 28.395, 285.837)

Conversions

Conversions Part 1

Format	Color
Hex	939ED1
RGB	147, 158, 209
RGB Percent	58%, 62%, 82%
CMY	0.4230, 0.3799, 0.1798
CMYK	0.30, 0.24, 0.00, 0.18
HSL	229°, 40%, 70%
HSV	229°, 30%, 82%
XYZ	35.8312, 35.3238, 65.3414
YIQ	160.5250, -22.9270, 13.5290

Conversions

Conversions Part 2

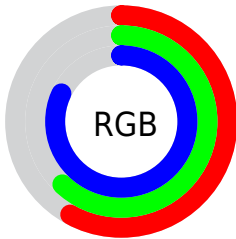
Format	Color
R_{YB}	147, 156, 209
Decimal	9674449
CIE Lab	66.00, 7.75, -27.32
CIE LCh	66, 28.395, 285.837
Yxy	35.3238, 0.2625, 0.2588
Android (android.graphics.Color)	4287864529 (0xFF939ED1)
YUV	160.5250, 23.8982, -11.8614
Hunter-Lab	59.4338, 3.6042, -23.5795

Details

The CIELCh color `66, 28.395, 285.837` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `80, 27.284, 98.340`, and the grayscale version is `66, 0.008, 296.813`.

A 20% lighter version of the original color is `86, 22.264, 282.723`, and `46, 28.059, 285.849` is the 20% darker color. If you saturate the color by 10%, you get `60, 38.613, 287.706`, and if you desaturate by 10%, it is `72, 18.518, 284.238`.

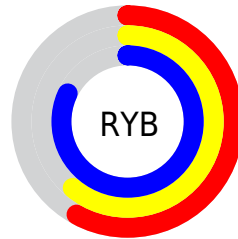
Distribution



Red (58%)

Green (62%)

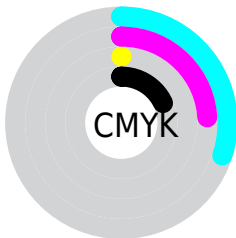
Blue (82%)



Red (58%)

Yellow (61%)

Blue (82%)

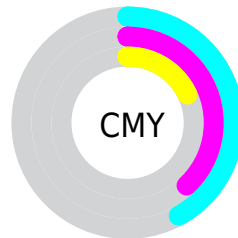


Cyan (30%)

Magenta (24%)

Yellow (0%)

Black (18%)



Cyan (42%)

Magenta (38%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 28.395, 285.837 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 66, 28.395, 285.837 by changing the saturation by 10% instead.

■ 66, 28.395,
285.837

■ 66, 28.395,
285.837

■ 100, 28.395,
285.837

■ 56, 28.395,
285.837

■ 86, 28.395,
285.837

■ 46, 28.395,
285.837

■ 96, 28.395,
285.837

■ 36, 28.395,
285.837

■ 26, 28.395,
285.837

■ 16, 28.395,
285.837

■ 6, 28.395, 285.837

■ 0, 28.395, 285.837

66, 28.395,
285.837

66, 28.395,
285.837

60, 38.613,
287.706

72, 18.518,
284.238

54, 49.208,
289.876

78, 8.958, 282.878

48, 60.190,
292.353

84, 0.312, 101.210

43, 71.509,
295.097

90, 9.311, 100.665

37, 82.946,
297.992

99, 23.160,
108.422

33, 93.946,
300.823

29, 103.549,
303.263

29, 103.851,

Harmonies

Complementary

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



66, 28.395, 285.837



80, 27.284, 98.340

Rectangle

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



66, 28.395, 285.837



66, 28.395, 335.837



66, 28.395, 105.837



66, 28.395, 155.837

Sweetspot

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



66, 28.394, 285.836



94, 9.808, 282.810



80, 22.155, 181.838



49, 6.829, 282.994



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 28.394, 285.836



74, 40.954, 287.069



65, 35.308, 304.373



41, 5.266, 282.848



23, 87.272, 302.972



3, 22.440, 288.646

Inverse Universe

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



67, 25.196, 8.248



77, 36.454, 9.295



81, 33.318, 120.750



41, 4.575, 5.788



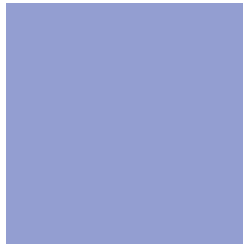
35, 68.844, 30.699



4, 20.167, 11.242

Previews

White Background



This preview shows how the CIELCh color 66, 28.395, 285.837 looks on a white background.

Color Contrast Check

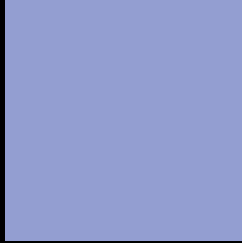
Large Text (above 18pt) WCAG AA × Fail

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 66, 28.395, 285.837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

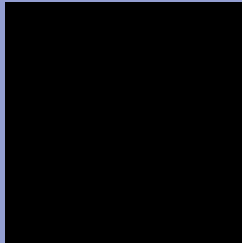
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 28.395, 285.837

Background



This preview shows how black text looks on a background with the CIELCh color 66, 28.395, 285.837.



This preview shows how white text looks on a background with the CIELCh color 66, 28.395, 285.837.

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

66, 28.395, 285.837

Protanopia

66, 28.428, 285.203

Deuteranopia

66, 28.338, 287.117



Tritanopia
66, 10.949, 240.209

Trichromacy



Original Color
66, 28.395, 285.837

Protanomaly
66, 28.428, 285.203

Deuteranomaly
66, 28.365, 286.475

Tritanomaly
66, 16.121, 267.877

Monochromacy



Original Color
66, 28.395, 285.837

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 10.600, 283.464

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 28.395, 285.837 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(147, 158, 209)` looks like.

```
.text, #text, p{  
    color:rgb(147, 158, 209)  
}
```

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(147, 158, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 158, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 28.395, 285.837 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(147, 158, 209) }
```

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

```
.border{ border-color:rgb(147, 158, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 158, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 158, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 158, 209);  
box-shadow:4px 4px 4px 4px rgb(147, 158,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 28.395, 285.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 158, 209) }
```

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

```
.background{ background-color: rgb(147,  
158, 209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor