

Converting Colors

CIELCh(70, 41.825, 285.640)

Have a look what the booklet for
CIELCh(70, 41.825, 285.640)
contains.

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Color

CIELCh(70, 41.825, 285.640)

Conversions

Conversions Part 1

Format	Color
Hex	93A8F4
RGB	147, 168, 244
RGB Percent	58%, 66%, 96%
CMY	0.4234, 0.3411, 0.0431
CMYK	0.40, 0.31, 0.00, 0.04
HSL	227°, 82%, 77%
HSV	227°, 40%, 96%
XYZ	42.3741, 40.7494, 91.2358
YIQ	170.3850, -36.9120, 19.1840

Conversions

Conversions Part 2

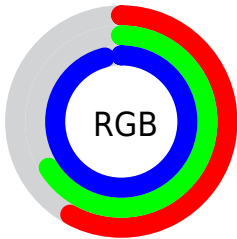
Format	Color
RYB	147, 164, 244
Decimal	9677044
CIELab	70.00, 11.28, -40.28
CIELCh	70, 41.825, 285.640
Yxy	40.7494, 0.2430, 0.2337
Android (android.graphics.Color)	4287867124 (0xFF93A8F4)
YUV	170.3850, 36.2922, -20.5086
Hunter-Lab	63.8353, 6.7772, -40.0549

Details

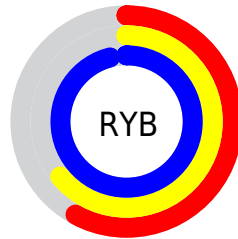
The CIELCh color `70, 41.825, 285.640` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `89, 39.972, 94.587`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `88, 17.658, 270.802`, and `50, 41.733, 285.844` is the 20% darker color. If you saturate the color by 10%, you get `63, 53.194, 287.908`, and if you desaturate by 10%, it is `77, 30.828, 283.689`.

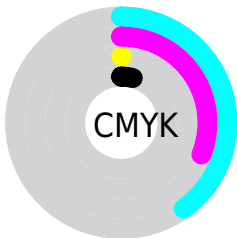
Distribution



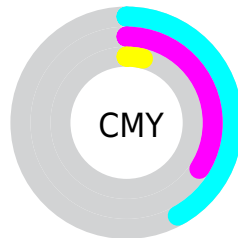
- Red (58%)
- Green (66%)
- Blue (96%)



- Red (58%)
- Yellow (64%)
- Blue (96%)



- Cyan (40%)
- Magenta (31%)
- Yellow (0%)
- Black (4%)



- Cyan (42%)
- Magenta (34%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 41.825, 285.640 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 70, 41.825, 285.640 by changing the saturation by 10% instead.

■ 70, 41.825,
285.640

■ 70, 41.825,
285.640

■ 100, 41.825,
285.640

■ 60, 41.825,
285.640

■ 90, 41.825,
285.640

■ 50, 41.825,
285.640

■ 40, 41.825,
285.640

■ 30, 41.825,
285.640

■ 20, 41.825,
285.640

■ 10, 41.825,
285.640

■ 0, 41.825, 285.640

70, 41.825,
285.640

70, 41.825,
285.640

63, 53.194,
287.908

77, 30.828,
283.689

57, 64.966,
290.505

83, 20.171,
282.024

51, 77.118,
293.399

90, 9.823, 280.608

45, 89.486,
296.481

96, 0.238, 98.553

40, 101.605,
299.548

100, 5.556,
109.749

36, 112.602,
302.288

36, 112.855,
302.347

Harmonies

Complementary

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



70, 41.825, 285.640



89, 39.972, 94.587

Rectangle

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



70, 41.825, 285.640



70, 41.825, 335.640



70, 41.825, 105.640



70, 41.825, 155.640

Sweetspot

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



70, 41.824, 285.640



92, 12.567, 280.909



90, 33.404, 178.063



48, 8.350, 281.088



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 41.824, 285.640



67, 53.045, 287.514



67, 54.419, 304.171



48, 5.739, 280.574



27, 90.748, 301.895



5, 33.819, 295.480

Inverse Universe

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



72, 39.284, 6.981



70, 49.601, 8.631



92, 49.921, 118.802



48, 5.281, 2.841



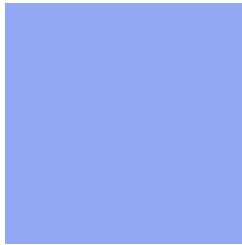
39, 72.602, 28.222



9, 29.935, 15.928

Previews

White Background



This preview shows how the CIELCh color 70, 41.825, 285.640 looks on a white background.

Color Contrast Check

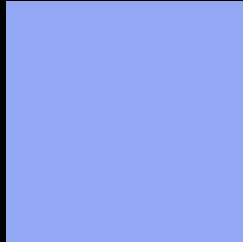
Large Text (above 18pt) WCAG AA × Fail

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 70, 41.825, 285.640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

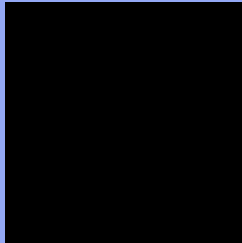
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 41.825, 285.640

Background



This preview shows how black text looks on a background with the CIELCh color 70, 41.825, 285.640.



This preview shows how white text looks on a background with the CIELCh color 70, 41.825, 285.640.

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

70, 41.825, 285.640

Protanopia

70, 41.825, 285.640

Deuteranopia

70, 41.435, 283.518



Tritanopia
70, 16.394, 226.448

Trichromacy



Original Color
70, 41.825, 285.640

Protanomaly
70, 41.825, 285.640

Deuteranomaly
70, 41.395, 283.894

Tritanomaly
70, 22.765, 262.508

Monochromacy



Original Color
70, 41.825, 285.640

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 15.495, 282.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 41.825, 285.640 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, 168, 244)` looks like.

```
.text, #text, p{  
    color:rgb(147, 168, 244)  
}
```

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, 168, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 168, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 41.825, 285.640 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, 168, 244) }
```

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

```
.border{ border-color:rgb(147, 168, 244) }
```

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

Here you see how a box with a 4 pixel rgb(147, 168, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 168, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 168, 244);  
box-shadow:4px 4px 4px 4px rgb(147, 168,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 41.825, 285.640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 168, 244) }
```

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

```
.background{ background-color: rgb(147,  
168, 244) }
```

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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