

Converting Colors

CIELCh(70, 20.293, 288.318)

Have a look what the booklet for
CIELCh(70, 20.293, 288.318)
contains.

CIELCh(70, 20.293, 288.318)	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(70, 20.293, 288.318)

Conversions

Conversions Part 1

Format	Color
Hex	A5A9CE
RGB	165, 169, 206
RGB Percent	65%, 66%, 81%
CMY	0.3535, 0.3378, 0.1928
CMYK	0.20, 0.18, 0.00, 0.19
HSL	234°, 29%, 73%
HSV	234°, 20%, 81%
XYZ	40.7649, 40.7494, 64.0074
YIQ	172.0220, -14.2610, 10.6590

Conversions

Conversions Part 2

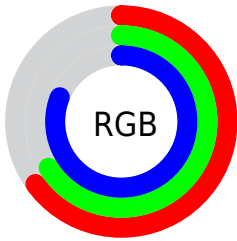
Format	Color
R _Y B	165, 169, 206
Decimal	10856910
CIE Lab	70.00, 6.38, -19.26
CIE LCh	70, 20.293, 288.318
Yxy	40.7494, 0.2801, 0.2800
Android (android.graphics.Color)	4289046990 (0xFFA5A9CE)
YUV	172.0220, 16.7512, -6.1583
Hunter-Lab	63.8353, 2.2774, -14.7651

Details

The CIELCh color **70, 20.293, 288.318** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **81, 19.576, 103.826**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 16.162, 286.718**, and **50, 20.502, 288.845** is the 20% darker color. If you saturate the color by 10%, you get **64, 31.055, 289.835**, and if you desaturate by 10%, it is **76, 9.926, 287.026**.

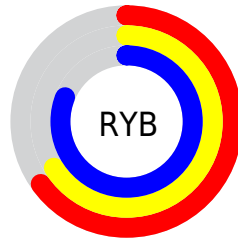
Distribution



Red (65%)

Green (66%)

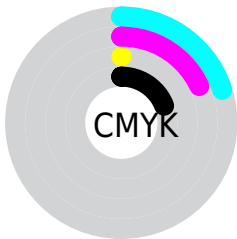
Blue (81%)



Red (65%)

Yellow (66%)

Blue (81%)

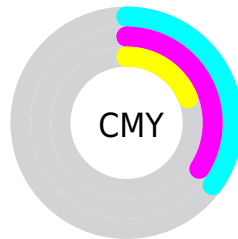


Cyan (20%)

Magenta (18%)

Yellow (0%)

Black (19%)



Cyan (35%)


Magenta (34%)


Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 20.293, 288.318 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, 20.293, 288.318 by changing the saturation by 10% instead.


 70, 20.293,
288.318


 70, 20.293,
288.318


 100, 20.293,
288.318


 60, 20.293,
288.318


 90, 20.293,
288.318

 50, 20.293,
288.318

 40, 20.293,
288.318

 30, 20.293,
288.318

 20, 20.293,
288.318

 10, 20.293,
288.318

 0, 20.293, 288.318

70, 20.293,
288.318

70, 20.293,
288.318

64, 31.055,
289.835

76, 9.926, 287.026

57, 42.250,
291.612

83, 0.073, 104.437

89, 9.733, 104.953

51, 53.894,
293.668

95, 19.076,
104.146

45, 65.957,
295.992

99, 24.814,
108.295

39, 78.261,
298.514

34, 90.307,
301.068

30, 101.064,
303.382

27, 109.087,

305.100

■ 27, 109.140,
305.110

Harmonies

Complementary

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



70, 20.293, 288.318



81, 19.576, 103.826

Rectangle

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



70, 20.293, 288.318



70, 20.293, 338.318



70, 20.293, 108.318



70, 20.293, 158.318

Sweetspot

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



70, 20.291, 288.316



95, 7.102, 286.587



80, 14.489, 189.648



50, 4.716, 286.660



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, 20.291, 288.316



82, 29.331, 288.952



70, 23.293, 306.565



40, 5.632, 286.964



21, 92.107, 304.866



2, 21.931, 289.968

Inverse Universe

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



71, 16.096, 13.143



84, 23.399, 13.661



81, 22.535, 124.509



40, 4.398, 12.046



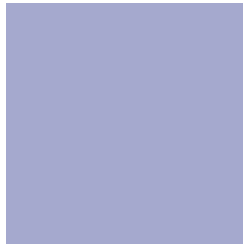
34, 71.621, 35.591



4, 17.994, 14.603

Previews

White Background



This preview shows how the CIELCh color 70, 20.293, 288.318 looks on a white background.

Color Contrast Check

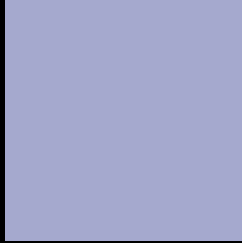
Large Text (above 18pt) WCAG AA × Fail

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, 20.293, 288.318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

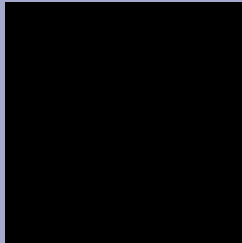
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 20.293, 288.318

Background



This preview shows how black text looks on a background with the CIELCh color 70, 20.293, 288.318.



This preview shows how white text looks on a background with the CIELCh color 70, 20.293, 288.318.

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, 20.293, 288.318

Protanopia

70, 20.335, 286.420

Deuteranopia

70, 21.448, 295.035



Tritanopia
70, 8.535, 263.497

Trichromacy



Original Color
70, 20.293, 288.318

Protanomaly
70, 20.311, 287.367

Deuteranomaly
70, 20.840, 292.228

Tritanomaly
70, 12.386, 276.569

Monochromacy



Original Color
70, 20.293, 288.318

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 7.144, 285.053

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 20.293, 288.318 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(165, 169, 206)` looks like.

```
.text, #text, p{  
    color:rgb(165, 169, 206)  
}
```

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(165, 169, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 169, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 20.293, 288.318 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(165, 169, 206) }
```

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

```
.border{ border-color:rgb(165, 169, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 169, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 169, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 169, 206);  
box-shadow:4px 4px 4px 4px rgb(165, 169,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 20.293, 288.318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 169, 206) }
```

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

```
.background{ background-color: rgb(165,  
169, 206) }
```

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