

Converting Colors

CIELCh(70, 34.566, 287.790)

Have a look what the booklet for
CIELCh(70, 34.566, 287.790)
contains.

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Color

CIELCh(70, 34.566, 287.790)

Conversions

Conversions Part 1

Format	Color
Hex	9DA8E7
RGB	157, 168, 231
RGB Percent	62%, 66%, 91%
CMY	0.3858, 0.3426, 0.0956
CMYK	0.32, 0.27, 0.00, 0.10
HSL	231°, 60%, 76%
HSV	231°, 32%, 90%
XYZ	42.1366, 40.7494, 80.9591
YIQ	171.8930, -26.7790, 17.2610

Conversions

Conversions Part 2

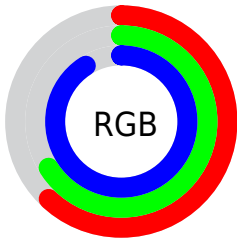
Format	Color
R _Y B	157, 167, 231
Decimal	10332391
CIE Lab	70.00, 10.56, -32.91
CIE LCh	70, 34.566, 287.790
Yxy	40.7494, 0.2572, 0.2487
Android (android.graphics.Color)	4288522471 (0xFF9DA8E7)
YUV	171.8930, 29.1398, -13.0612
Hunter-Lab	63.8353, 6.1133, -30.5099

Details

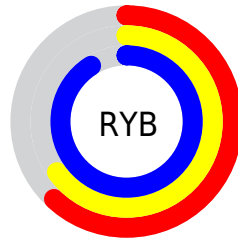
The CIELCh color `70, 34.566, 287.790` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `87, 32.837, 99.715`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `89, 16.926, 280.196`, and `50, 34.585, 287.740` is the 20% darker color. If you saturate the color by 10%, you get `63, 46.170, 289.710`, and if you desaturate by 10%, it is `77, 23.381, 286.147`.

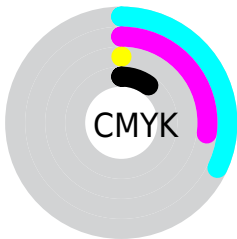
Distribution



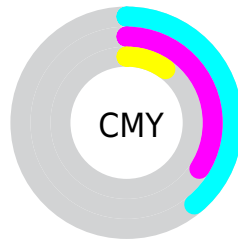
- Red (62%)
- Green (66%)
- Blue (91%)



- Red (62%)
- Yellow (65%)
- Blue (91%)



- Cyan (32%)
- Magenta (27%)
- Yellow (0%)
- Black (10%)





- Cyan (39%)
- Magenta (34%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 34.566, 287.790 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, 34.566, 287.790 by changing the saturation by 10% instead.


 70, 34.566,
287.790


 70, 34.566,
287.790


 100, 34.566,
287.790


 60, 34.566,
287.790


 90, 34.566,
287.790

 50, 34.566,
287.790

 40, 34.566,
287.790

 30, 34.566,
287.790

 20, 34.566,
287.790

 10, 34.566,
287.790

 0, 34.566, 287.790

70, 34.566,
287.790

70, 34.566,
287.790

63, 46.170,
289.710

77, 23.381,
286.147

57, 58.222,
291.931

83, 12.584,
284.749

50, 70.708,
294.442

90, 2.141, 283.607

44, 83.483,
297.174

97, 7.972, 102.494

39, 96.109,
299.963

99, 12.342,
109.245

34, 107.655,
302.545

32, 115.147,
304.203

Harmonies

Complementary

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



70, 34.566, 287.790



87, 32.837, 99.715

Rectangle

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



70, 34.566, 287.790



70, 34.566, 337.790



70, 34.566, 107.790



70, 34.566, 157.790

Sweetspot

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



70, 34.565, 287.790



93, 11.265, 284.493



87, 25.298, 184.335



48, 7.702, 284.671



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, 34.565, 287.790



72, 44.912, 288.932



69, 41.679, 305.686



45, 5.869, 284.419



24, 93.945, 303.859



4, 30.220, 293.668

Inverse Universe

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



72, 29.586, 10.815



75, 38.552, 11.812



88, 39.219, 121.927



45, 4.901, 8.014



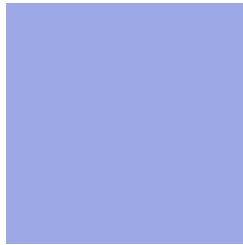
37, 73.460, 32.889



7, 26.729, 15.570

Previews

White Background



This preview shows how the CIELCh color 70, 34.566, 287.790 looks on a white background.

Color Contrast Check

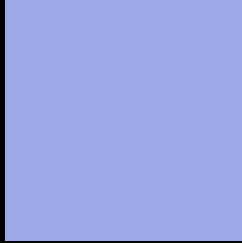
Large Text (above 18pt) WCAG AA × Fail

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, 34.566, 287.790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

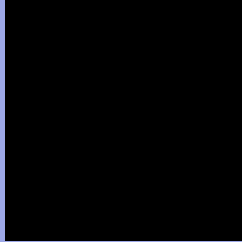
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 34.566, 287.790

Background



This preview shows how black text looks on a background with the CIELCh color 70, 34.566, 287.790.



This preview shows how white text looks on a background with the CIELCh color 70, 34.566, 287.790.

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, 34.566, 287.790

Protanopia

70, 34.137, 285.073

Deuteranopia

70, 34.107, 286.104



Tritanopia
70, 11.931, 239.019

Trichromacy



Original Color
70, 34.566, 287.790

Protanomaly
70, 34.103, 285.575

Deuteranomaly
70, 34.078, 286.611

Tritanomaly
70, 18.672, 269.737

Monochromacy



Original Color
70, 34.566, 287.790

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 12.654, 285.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 34.566, 287.790 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(157, 168, 231)` looks like.

```
.text, #text, p{  
    color:rgb(157, 168, 231)  
}
```

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(157, 168, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 168, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 34.566, 287.790 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(157, 168, 231) }
```

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

```
.border{ border-color:rgb(157, 168, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 168, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 168, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 168, 231); box-shadow:4px 4px 4px 4px rgb(157, 168, 231) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 34.566, 287.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 168, 231) }
```

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

```
.background{ background-color: rgb(157,  
168, 231) }
```

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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