

Converting Colors

CIELCh(70, 32.531, 284.430)

Have a look what the booklet for
CIELCh(70, 32.531, 284.430)
contains.

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Color

CIELCh(70, 32.531, 284.430)

Conversions

Conversions Part 1

Format	Color
Hex	99A9E4
RGB	153, 169, 228
RGB Percent	60%, 66%, 89%
CMY	0.4000, 0.3372, 0.1059
CMYK	0.33, 0.26, 0.00, 0.11
HSL	227°, 58%, 75%
HSV	227°, 33%, 89%
XYZ	41.3281, 40.7494, 79.0858
YIQ	170.9420, -28.4750, 14.9570

Conversions

Conversions Part 2

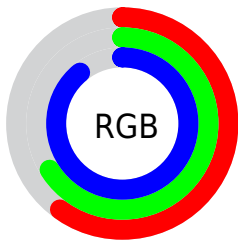
Format	Color
RYB	153, 166, 228
Decimal	10070500
CIELab	70.00, 8.11, -31.50
CIElCh	70, 32.531, 284.430
Yxy	40.7494, 0.2564, 0.2528
Android (android.graphics.Color)	4288260580 (0xFF99A9E4)
YUV	170.9420, 28.1296, -15.7351
Hunter-Lab	63.8353, 3.8524, -28.7700

Details

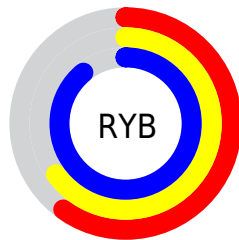
The CIELCh color **70, 32.531, 284.430** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **85, 31.391, 95.669**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 16.773, 274.258**, and **50, 32.428, 284.219** is the 20% darker color. If you saturate the color by 10%, you get **64, 43.086, 286.460**, and if you desaturate by 10%, it is **76, 22.308, 282.691**.

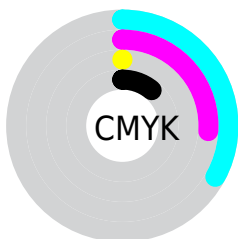
Distribution



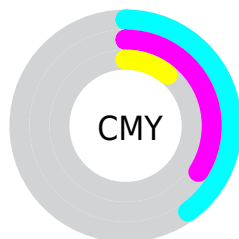
- Red (60%)
- Green (66%)
- Blue (89%)



- Red (60%)
- Yellow (65%)
- Blue (89%)



- Cyan (33%)
- Magenta (26%)
- Yellow (0%)
- Black (11%)





- Cyan (40%)
- Magenta (34%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 32.531, 284.430 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, 32.531, 284.430 by changing the saturation by 10% instead.


 70, 32.531,
284.430


 70, 32.531,
284.430


 100, 32.531,
284.430


 60, 32.531,
284.430


 90, 32.531,
284.430

 50, 32.531,
284.430

 40, 32.531,
284.430

 30, 32.531,
284.430

 20, 32.531,
284.430

 10, 32.531,
284.430

 0, 32.531, 284.430

■ 70, 32.531,
284.430

■ 70, 32.531,
284.430

■ 64, 43.086,
286.460

■ 76, 22.308,
282.691

■ 58, 54.009,
288.811

■ 83, 12.389,
281.210

■ 52, 65.314,
291.484

■ 89, 2.750, 279.988

■ 46, 76.952,
294.427

■ 95, 6.627, 98.800

■ 41, 88.695,
297.504

■ 99, 13.663,
109.145

■ 36, 99.980,
300.488

■ 33, 107.230,
302.351

Harmonies

Complementary

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



70, 32.531, 284.430



85, 31.391, 95.669

Rectangle

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



70, 32.531, 284.430



70, 32.531, 334.430



70, 32.531, 104.430



70, 32.531, 154.430

Sweetspot

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



70, 32.530, 284.429



93, 10.482, 280.834



86, 26.672, 178.834



49, 7.165, 281.019



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, 32.530, 284.429



73, 42.649, 285.682



68, 42.131, 303.541



45, 5.461, 280.756



26, 88.040, 301.922



4, 28.745, 292.080

Inverse Universe

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



71, 30.402, 6.047



75, 39.887, 7.098



87, 39.334, 119.206



45, 5.002, 3.067



37, 70.409, 28.282



7, 26.657, 12.834

Previews

White Background



This preview shows how the CIELCh color 70, 32.531, 284.430 looks on a white background.

Color Contrast Check

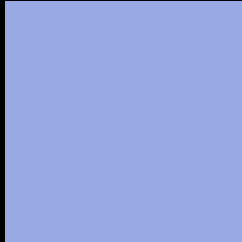
Large Text (above 18pt) WCAG AA × Fail

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, 32.531, 284.430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

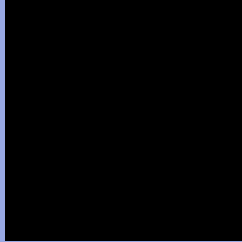
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 32.531, 284.430

Background



This preview shows how black text looks on a background with the CIELCh color 70, 32.531, 284.430.



This preview shows how white text looks on a background with the CIELCh color 70, 32.531, 284.430.

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, 32.531, 284.430

Protanopia

70, 32.494, 284.961

Deuteranopia

70, 32.972, 286.775



Tritanopia
70, 12.948, 235.212

Trichromacy



Original Color
70, 32.531, 284.430

Protanomaly
70, 32.494, 284.961

Deuteranomaly
70, 33.001, 286.246

Tritanomaly
70, 18.649, 265.262

Monochromacy



Original Color
70, 32.531, 284.430

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 12.198, 281.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 32.531, 284.430 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(153, 169, 228)` looks like.

```
.text, #text, p{  
    color:rgb(153, 169, 228)  
}
```

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(153, 169, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 169, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 32.531, 284.430 is called "border". The border property can be set on classes, ids or directly on the HTML element.

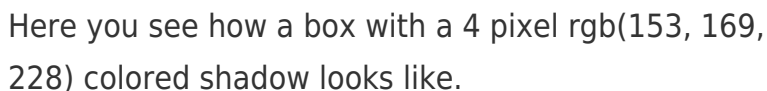
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 169, 228) }
```

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

```
.border{ border-color:rgb(153, 169, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 169, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 169, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 169, 228); box-shadow:4px 4px 4px 4px rgb(153, 169, 228) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 32.531, 284.430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 169, 228) }
```

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

```
.background{ background-color: rgb(153,  
169, 228) }
```

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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