

Converting Colors

CIELCh(70, 29.642, 325.761)

Have a look what the booklet for
CIELCh(70, 29.642, 325.761)
contains.

CIELCh(70, 29.490, 325.646)	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, 29.490, 325.646)

Conversions

Conversions Part 1

Format	Color
Hex	CA9DCA
RGB	202, 157, 202
RGB Percent	79%, 62%, 79%
CMY	0.2093, 0.3857, 0.2093
CMYK	0.00, 0.22, 0.00, 0.21
HSL	300°, 30%, 70%
HSV	300°, 22%, 79%
XYZ	46.8746, 40.7494, 61.0475
YIQ	175.5850, 12.3750, 23.5350

Conversions

Conversions Part 2

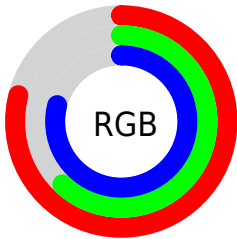
Format	Color
R _{YB}	202, 157, 202
Decimal	13278666
CIE Lab	70.00, 24.35, -16.64
CIE LCh	70, 29.490, 325.646
Yxy	40.7494, 0.3153, 0.2741
Android (android.graphics.Color)	4291468746 (0xFFCA9DCA)
YUV	175.5850, 13.0226, 23.1660
Hunter-Lab	63.8353, 19.3617, -12.0160

Details

The CIELCh color $70, 29.490, 325.646$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $77, 29.472, 142.989$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 26.948, 325.363$, and $50, 29.632, 325.311$ is the 20% darker color. If you saturate the color by 10%, you get $65, 42.582, 326.177$, and if you desaturate by 10%, it is $75, 16.227, 325.096$.

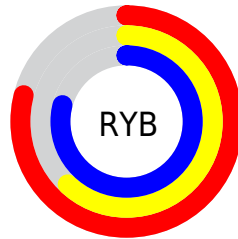
Distribution



Red (79%)

Green (62%)

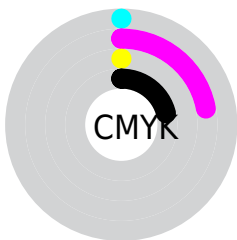
Blue (79%)



Red (79%)

Yellow (62%)

Blue (79%)

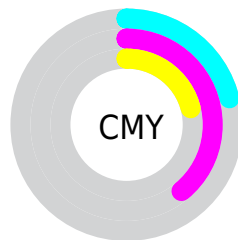


Cyan (0%)

Magenta (22%)

Yellow (0%)

Black (21%)



Cyan (21%)


Magenta (39%)


Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 29.490, 325.646 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, 29.490, 325.646 by changing the saturation by 10% instead.


 70, 29.490,
325.646

 70, 29.490,
325.646


 100, 29.490,
325.646


 60, 29.490,
325.646


 90, 29.490,
325.646

 50, 29.490,
325.646

 40, 29.490,
325.646

 30, 29.490,
325.646

 20, 29.490,
325.646

 10, 29.490,
325.646

 0, 29.490, 325.646

70, 29.490,
325.646

70, 29.490,
325.646

65, 42.582,
326.177

75, 16.227,
325.096

61, 55.187,
326.677

80, 3.028, 324.481

85, 9.954, 144.055

57, 66.885,
327.130

91, 22.627,
143.518

54, 77.183,
327.518

95, 33.445,
143.074

51, 85.579,
327.827

95, 33.445,
143.074

49, 91.677,
328.047


95, 33.445,
143.073

48, 95.322,
328.177

95, 33.445,
143.072

48, 96.833,

328.230

 95, 33.444,
143.072

Harmonies

Complementary

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



70, 29.490, 325.646



77, 29.472, 142.989

Rectangle

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



70, 29.490, 325.646



70, 29.490, 15.646



70, 29.490, 145.646



70, 29.490, 195.646

Sweetspot

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



70, 29.488, 325.646



96, 11.134, 324.799



66, 24.527, 292.096



51, 7.237, 324.835



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, 29.488, 325.646



84, 43.154, 325.918



69, 21.187, 344.696



40, 7.538, 324.932



39, 83.711, 328.230



5, 29.042, 327.494

Inverse Universe

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



69, 17.904, 21.045



82, 26.729, 21.584



78, 20.652, 160.820



40, 4.369, 19.920



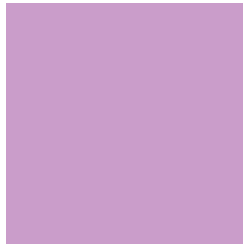
34, 75.551, 39.820



4, 17.910, 19.402

Previews

White Background



This preview shows how the CIELCh color 70, 29.490, 325.646 looks on a white background.

Color Contrast Check

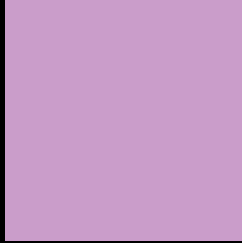
Large Text (above 18pt) WCAG AA × Fail

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, 29.490, 325.646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

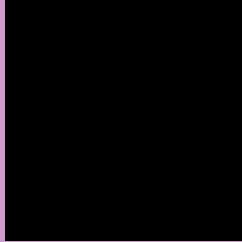
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 29.490, 325.646

Background



This preview shows how black text looks on a background with the CIELCh color 70, 29.490, 325.646.



This preview shows how white text looks on a background with the CIELCh color 70, 29.490, 325.646.

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, 29.490, 325.646

Protanopia

70, 22.538, 285.545

Deuteranopia

70, 18.318, 299.665



Tritanopia
70, 15.241, 355.469

Trichromacy



Original Color
70, 29.490, 325.646

Protanomaly
70, 23.980, 301.567

Deuteranomaly
70, 22.244, 311.717

Tritanomaly
70, 19.628, 339.413

Monochromacy



Original Color
70, 29.490, 325.646

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 11.276, 324.918

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 29.490, 325.646 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(202, 157, 202)` looks like.

```
.text, #text, p{  
    color:rgb(202, 157, 202)  
}
```

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(202, 157, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 157, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 29.490, 325.646 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(202, 157, 202) }
```

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

```
.border{ border-color:rgb(202, 157, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 157, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 157, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 157, 202);  
box-shadow:4px 4px 4px 4px rgb(202, 157,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 29.490, 325.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 157, 202) }
```

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

```
.background{ background-color: rgb(202,  
157, 202) }
```

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