

# Converting Colors

CIELCh(66, 33.752, 319.939)

Have a look what the booklet for  
CIELCh(66, 33.752, 319.939)  
contains.

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**Color**

**CIELCh(66, 34.276, 320.024)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BD91C8
RGB	189, 145, 200
RGB Percent	74%, 57%, 78%
CMY	0.2581, 0.4307, 0.2150
CMYK	0.05, 0.27, 0.00, 0.21
HSL	288°, 33%, 68%
HSV	288°, 27%, 79%
XYZ	41.6294, 35.3238, 59.3786
YIQ	164.4260, 8.5690, 26.4330

# Conversions

## Conversions Part 2

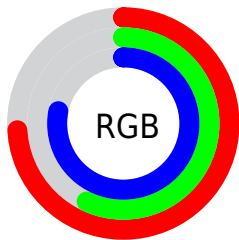
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	189, 145, 200
Decimal	12423624
CIE Lab	66.00, 26.27, -22.02
CIE LCh	66, 34.276, 320.024
Yxy	35.3238, 0.3054, 0.2591
Android (android.graphics.Color)	4290613704 (0xFFBD91C8)
YUV	164.4260, 17.5380, 21.5514
Hunter-Lab	59.4338, 21.0179, -17.6312

# Details

The CIELCh color  $66, 34.276, 320.024$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $76, 33.847, 137.392$ , and the grayscale version is  $68, 0.008, 296.813$ .

A 20% lighter version of the original color is  $86, 33.603, 320.982$ , and  $46, 34.292, 319.982$  is the 20% darker color. If you saturate the color by 10%, you get  $61, 46.768, 320.451$ , and if you desaturate by 10%, it is  $71, 21.689, 319.576$ .

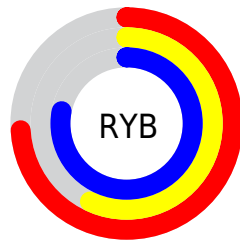
# Distribution



Red (74%)

Green (57%)

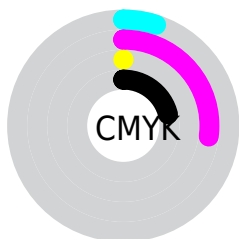
Blue (78%)



Red (74%)

Yellow (57%)

Blue (78%)

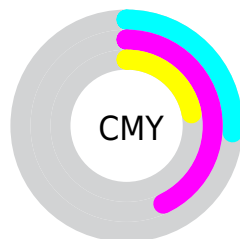


Cyan (5%)

Magenta (27%)

Yellow (0%)

Black (21%)



Cyan (26%)

Magenta (43%)

Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 34.276, 320.024 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 66, 34.276, 320.024 by changing the saturation by 10% instead.





 66, 34.276,  
320.024


 66, 34.276,  
320.024


 100, 34.276,  
320.024


 56, 34.276,  
320.024


 86, 34.276,  
320.024

 46, 34.276,  
320.024

 96, 34.276,  
320.024

 36, 34.276,  
320.024

 26, 34.276,  
320.024

 16, 34.276,  
320.024

 6, 34.276, 320.024

 0, 34.276, 320.024

66, 34.276,  
320.024

66, 34.276,  
320.024

61, 46.768,  
320.451

71, 21.689,  
319.576

56, 58.884,  
320.834

77, 9.206, 319.118

82, 3.058, 138.774

52, 70.221,  
321.141

88, 15.033,  
138.306

48, 80.262,  
321.331

93, 26.683,  
137.910

45, 88.431,  
321.360

96, 31.853,  
136.635

43, 94.224,  
321.183


96, 31.162,  
134.414

41, 97.499,  
320.781

96, 30.517,  
132.070

41, 98.159,

320.668

 97, 29.924,  
129.603

# Harmonies

# Complementary

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



66, 34.276, 320.024



76, 33.847, 137.392

# Rectangle

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



66, 34.276, 320.024



66, 34.276, 10.024



66, 34.276, 140.024



66, 34.276, 190.024

# Sweetspot

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



66, 34.274, 320.024



95, 11.992, 319.147



65, 24.633, 284.192



50, 8.534, 319.218



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



66, 34.274, 320.024



79, 50.144, 320.284



67, 29.372, 336.247



39, 6.956, 319.206



33, 84.314, 320.771



3, 24.465, 318.410



# Inverse Universe

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



66, 22.523, 6.223



78, 33.330, 7.101



76, 29.075, 152.115



39, 4.423, 4.059



34, 66.233, 28.895

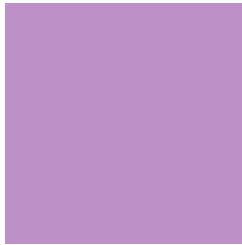


3, 16.182, 9.158



# Previews

## White Background



This preview shows how the CIELCh color 66, 34.276, 320.024 looks on a white background.

## Color Contrast Check

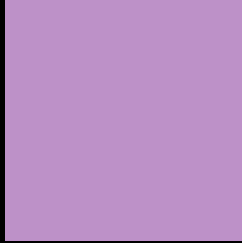
Large Text (above 18pt) WCAG AA × Fail

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 66, 34.276, 320.024 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 66, 34.276, 320.024

## Background



This preview shows how black text looks on a background with the CIELCh color 66, 34.276, 320.024.

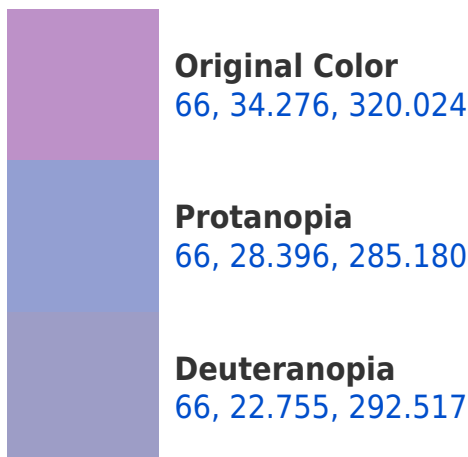


This preview shows how white text looks on a background with the CIELCh color 66, 34.276, 320.024.


# 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







**Tritanopia**  
66, 14.015, 352.617

# Trichromacy



**Original Color**  
66, 34.276, 320.024

**Protanomaly**  
66, 29.071, 298.421

**Deuteranomaly**  
66, 26.245, 304.957

**Tritanomaly**  
66, 20.149, 333.600

# Monochromacy



**Original Color**  
66, 34.276, 320.024

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
67, 12.610, 319.286

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 34.276, 320.024 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(189, 145, 200)` looks like.

```
.text, #text, p{  
    color:rgb(189, 145, 200)  
}
```

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(189, 145, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 145, 200) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 34.276, 320.024 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(189, 145, 200) }
```

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

```
.border{ border-color:rgb(189, 145, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 145, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 145, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 145, 200);  
box-shadow:4px 4px 4px 4px rgb(189, 145,  
200) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 34.276, 320.024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 145, 200) }
```

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

```
.background{ background-color: rgb(189,  
145, 200) }
```

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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