

Converting Colors

CIELCh(66, 21.554, 336.116)

Have a look what the booklet for
CIELCh(66, 21.554, 336.116)
contains.

CIELCh(66, 21.195, 336.824)	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(66, 21.195, 336.824)

Conversions

Conversions Part 1

Format	Color
Hex	BD95B0
RGB	189, 149, 176
RGB Percent	74%, 58%, 69%
CMY	0.2599, 0.4167, 0.3108
CMYK	0.00, 0.21, 0.07, 0.26
HSL	319°, 23%, 66%
HSV	319°, 21%, 74%
XYZ	39.4385, 35.3238, 45.6789
YIQ	164.0380, 15.1730, 16.8770

Conversions

Conversions Part 2

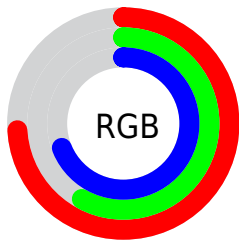
Format	Color
R_{YB}	189, 149, 176
Decimal	12424624
CIE _{Lab}	66.00, 19.48, -8.34
CIE _{LCh}	66, 21.195, 336.824
Yxy	35.3238, 0.3275, 0.2933
Android (android.graphics.Color)	4290614704 (0xFFBD95B0)
YUV	164.0380, 5.8973, 21.8917
Hunter-Lab	59.4338, 14.4380, -3.9647

Details

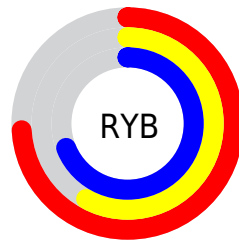
The CIELCh color $66, 21.195, 336.824$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $73, 20.982, 153.698$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 21.642, 336.587$, and $46, 21.284, 336.060$ is the 20% darker color. If you saturate the color by 10%, you get $61, 31.225, 337.632$, and if you desaturate by 10%, it is $71, 11.124, 336.064$.

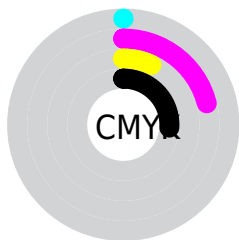
Distribution



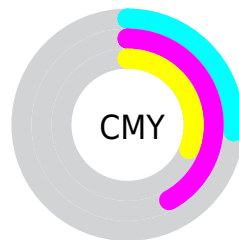
- Red (74%)
- Green (58%)
- Blue (69%)



- Red (74%)
- Yellow (58%)
- Blue (69%)



- Cyan (0%)
- Magenta (21%)
- Yellow (7%)
- Black (26%)





- Cyan (26%)
- Magenta (42%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 21.195, 336.824 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, 21.195, 336.824 by changing the saturation by 10% instead.


 66, 21.195,
336.824


 66, 21.195,
336.824


 100, 21.195,
336.824


 56, 21.195,
336.824


 86, 21.195,
336.824

 46, 21.195,
336.824

 96, 21.195,
336.824

 36, 21.195,
336.824

 26, 21.195,
336.824

 16, 21.195,
336.824

 6, 21.195, 336.824

 0, 21.195, 336.824

66, 21.195,
336.824

66, 21.195,
336.824

61, 31.225,
337.632

71, 11.124,
336.064

57, 40.983,
338.504

76, 1.174, 335.113

81, 8.561, 154.780

53, 50.133,
339.460

86, 18.031,
154.144

49, 58.246,
340.531

91, 27.212,
153.560

46, 64.835,
341.763

95, 31.987,
154.631

44, 69.453,
343.220


95, 29.770,
158.839

43, 71.844,
344.985

95, 27.711,
163.670

42, 72.473,

346.806

 95, 25.850,
169.207

Harmonies

Complementary

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



66, 21.195, 336.824



73, 20.982, 153.698

Rectangle

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



66, 21.195, 336.824



66, 21.195, 26.824



66, 21.195, 156.824



66, 21.195, 206.824

Sweetspot

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



66, 21.193, 336.825



93, 7.340, 335.678



64, 22.874, 303.734



49, 4.870, 335.729



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



66, 21.193, 336.825



81, 30.926, 337.159



65, 16.242, 6.650



37, 5.627, 335.927



35, 63.736, 346.475



3, 15.747, 341.249

Inverse Universe

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



66, 21.193, 336.825



81, 30.926, 337.159



74, 14.852, 182.675



37, 5.627, 335.927



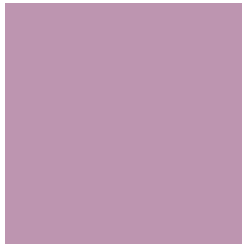
35, 63.736, 346.475



3, 15.747, 341.249

Previews

White Background



This preview shows how the CIELCh color 66, 21.195, 336.824 looks on a white background.

Color Contrast Check

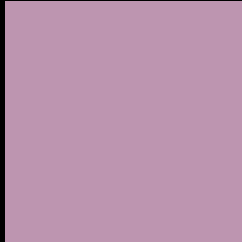
Large Text (above 18pt) WCAG AA × Fail

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, 21.195, 336.824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

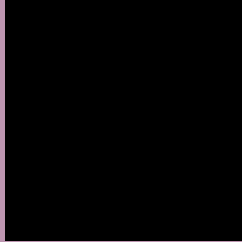
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 21.195, 336.824

Background



This preview shows how black text looks on a background with the CIELCh color 66, 21.195, 336.824.



This preview shows how white text looks on a background with the CIELCh color 66, 21.195, 336.824.

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


66, 21.195, 336.824

Protanopia

66, 12.763, 288.293

Deuteranopia

66, 11.318, 318.569



Tritanopia
66, 15.430, 355.583

Trichromacy



Original Color
66, 21.195, 336.824

Protanomaly
66, 14.865, 311.724

Deuteranomaly
66, 15.197, 327.522

Tritanomaly
66, 17.619, 346.889

Monochromacy



Original Color
66, 21.195, 336.824

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 7.968, 336.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 21.195, 336.824 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, 149, 176)` looks like.

```
.text, #text, p{  
    color:rgb(189, 149, 176)  
}
```

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, 149, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 149, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 21.195, 336.824 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, 149, 176) }
```

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

```
.border{ border-color:rgb(189, 149, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 149, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 149, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 149, 176);  
box-shadow:4px 4px 4px 4px rgb(189, 149,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 21.195, 336.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 149, 176) }
```

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

```
.background{ background-color: rgb(189,  
149, 176) }
```

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