

# Converting Colors

CIELCh(66, 30.446, 352.415)

Have a look what the booklet for  
CIELCh(66, 30.446, 352.415)  
contains.

<b>CIELCh(66, 30.492, 352.530)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	20
<b><i>Color Blindness Simulation</i></b> .....	23
<b><i>CSS Examples</i></b> .....	26

# Color

**CIELCh(66, 30.492, 352.530)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D18CA8
RGB	209, 140, 168
RGB Percent	82%, 55%, 66%
CMY	0.1788, 0.4495, 0.3397
CMYK	0.00, 0.33, 0.20, 0.18
HSL	336°, 43%, 69%
HSV	336°, 33%, 82%
XYZ	42.9478, 35.3238, 41.7885
YIQ	163.8230, 32.1360, 23.3360

# Conversions

## Conversions Part 2

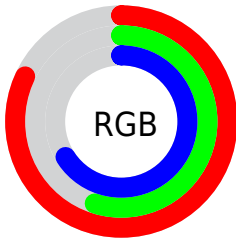
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 140, 168
Decimal	13733032
CIE <sub>Lab</sub>	66.00, 30.23, -3.96
CIE <sub>LCh</sub>	66, 30.492, 352.530
Yxy	35.3238, 0.3577, 0.2942
Android (android.graphics.Color)	4291923112 (0xFFD18CA8)
YUV	163.8230, 2.0593, 39.6202
Hunter-Lab	59.4338, 24.9776, -0.0837

# Details

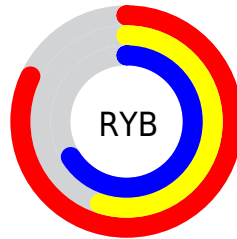
The CIELCh color **66, 30.492, 352.530** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **79, 28.615, 165.811**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 26.831, 347.221**, and **46, 30.249, 352.592** is the 20% darker color. If you saturate the color by 10%, you get **61, 39.802, 353.972**, and if you desaturate by 10%, it is **71, 21.061, 351.303**.

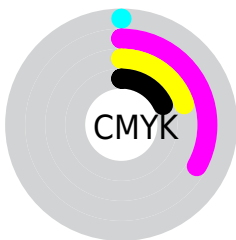
# Distribution



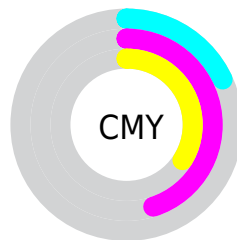
- Red (82%)
- Green (55%)
- Blue (66%)



- Red (82%)
- Yellow (55%)
- Blue (66%)



- Cyan (0%)
- Magenta (33%)
- Yellow (20%)
- Black (18%)




- Cyan (18%)
- Magenta (45%)
- Yellow (34%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 30.492, 352.530 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, 30.492, 352.530 by changing the saturation by 10% instead.





 66, 30.492,  
352.530


 66, 30.492,  
352.530


 100, 30.492,  
352.530


 56, 30.492,  
352.530


 86, 30.492,  
352.530

 46, 30.492,  
352.530

 96, 30.492,  
352.530

 36, 30.492,  
352.530

 26, 30.492,  
352.530

 16, 30.492,  
352.530

 6, 30.492, 352.530

 0, 30.492, 352.530

66, 30.492,  
352.530

66, 30.492,  
352.530

61, 39.802,  
353.972

71, 21.061,  
351.303

57, 48.676,  
355.700

77, 11.734,  
350.225

53, 56.688,  
357.827

82, 2.642, 349.155

49, 63.370, 0.499

88, 6.144, 168.564

47, 68.345, 3.890

94, 14.596,  
167.765

45, 71.524, 8.164

97, 16.797,  
176.991

45, 73.093, 11.603

97, 15.185,  
198.495

# Harmonies

# Complementary

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



66, 30.492, 352.530



79, 28.615, 165.811

# Rectangle

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



66, 30.492, 352.530



66, 30.492, 42.530



66, 30.492, 172.530



66, 30.492, 222.530

# Sweetspot

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



66, 30.489, 352.532



93, 10.577, 349.936



64, 40.921, 313.405



49, 7.231, 350.079



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, 30.489, 352.532



75, 43.498, 353.587



67, 26.389, 28.670



41, 5.103, 349.864



36, 62.031, 10.724



5, 21.032, 359.785





# Inverse Universe

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



66, 30.489, 352.532



75, 43.498, 353.587



78, 20.829, 206.522



41, 5.103, 349.864



36, 62.031, 10.724

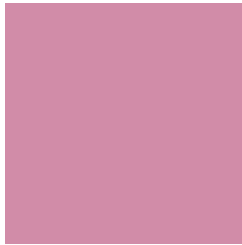


5, 21.032, 359.785



# Previews

## White Background



This preview shows how the CIELCh color 66, 30.492, 352.530 looks on a white background.

## Color Contrast Check

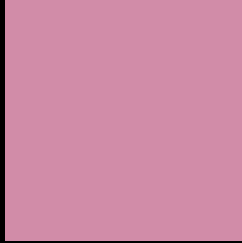
Large Text (above 18pt) WCAG AA × Fail

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, 30.492, 352.530 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

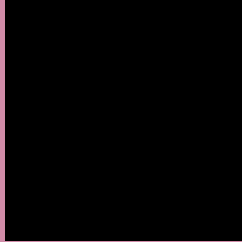
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 66, 30.492, 352.530

## Background



This preview shows how black text looks on a background with the CIELCh color 66, 30.492, 352.530.



This preview shows how white text looks on a background with the CIELCh color 66, 30.492, 352.530.

# 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, 30.492, 352.530

### Protanopia

66, 11.092, 287.606

### Deuteranopia

66, 8.846, 341.545



**Tritanopia**  
66, 26.502, 9.102



# Trichromacy



**Original Color**  
66, 30.492, 352.530

**Protanomaly**  
66, 15.638, 326.306

**Deuteranomaly**  
66, 17.016, 347.671

**Tritanomaly**  
66, 27.837, 2.902

# Monochromacy



**Original Color**  
66, 30.492, 352.530

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
67, 11.692, 349.286

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 30.492, 352.530 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(209, 140, 168)` looks like.

```
.text, #text, p{  
    color:rgb(209, 140, 168)  
}
```

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(209, 140, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 140, 168) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 30.492, 352.530 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(209, 140, 168) }
```

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

```
.border{ border-color:rgb(209, 140, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 140, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 140, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 140, 168);  
box-shadow:4px 4px 4px 4px rgb(209, 140,  
168) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 30.492, 352.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 140, 168) }
```

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

```
.background{ background-color: rgb(209,  
140, 168) }
```

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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