

Converting Colors

CIELCh(66, 12.730, 336.592)

Have a look what the booklet for
CIELCh(66, 12.730, 336.592)
contains.

CIELCh(66, 12.730, 336.592)	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, 12.730, 336.592)

Conversions

Conversions Part 1

Format	Color
Hex	B29AAA
RGB	178, 154, 170
RGB Percent	70%, 60%, 67%
CMY	0.3032, 0.3973, 0.3346
CMYK	0.00, 0.14, 0.05, 0.30
HSL	320°, 13%, 65%
HSV	320°, 14%, 70%
XYZ	37.0146, 35.3238, 42.7385
YIQ	163.0000, 9.1680, 10.0640

Conversions

Conversions Part 2

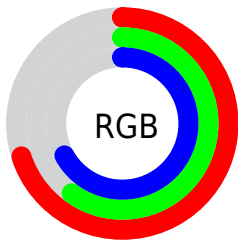
Format	Color
RYB	178, 154, 170
Decimal	11705002
CIELab	66.00, 11.68, -5.06
CIElCh	66, 12.730, 336.592
Yxy	35.3238, 0.3217, 0.3070
Android (android.graphics.Color)	4289895082 (0xFFB29AAA)
YUV	163.0000, 3.4510, 13.1550
Hunter-Lab	59.4338, 7.1582, -1.0314

Details

The CIELCh color $66, 12.730, 336.592$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $70, 12.634, 154.701$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 12.963, 336.987$, and $46, 12.610, 336.210$ is the 20% darker color. If you saturate the color by 10%, you get $61, 22.268, 337.368$, and if you desaturate by 10%, it is $71, 3.276, 335.809$.

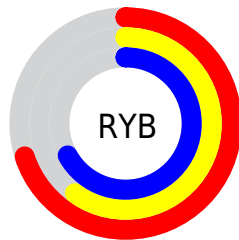
Distribution



Red (70%)

Green (60%)

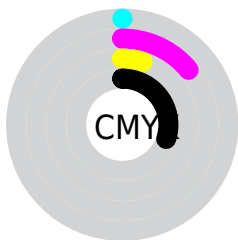
Blue (67%)



Red (70%)

Yellow (60%)

Blue (67%)

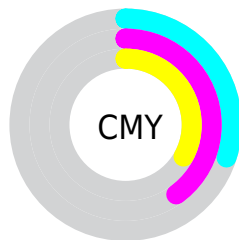


Cyan (0%)

Magenta (14%)

Yellow (5%)

Black (30%)



Cyan (30%)


Magenta (40%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 12.730, 336.592 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, 12.730, 336.592 by changing the saturation by 10% instead.


 66, 12.730,
336.592


 66, 12.730,
336.592


 100, 12.730,
336.592


 56, 12.730,
336.592


 86, 12.730,
336.592

 46, 12.730,
336.592

 96, 12.730,
336.592

 36, 12.730,
336.592

 26, 12.730,
336.592

 16, 12.730,
336.592

 6, 12.730, 336.592

 0, 12.730, 336.592

66, 12.730,
336.592

66, 12.730,
336.592

61, 22.268,
337.368

71, 3.276, 335.809

57, 31.735,
338.195

76, 5.989, 155.293

53, 40.886,
339.094

81, 15.010,
154.635

49, 49.386,
340.087

86, 23.760,
154.040

46, 56.817,
341.209

90, 32.234,
153.484

43, 62.718,
342.512

94, 37.352,
154.058

41, 66.691,
344.066

94, 35.173,
157.465

40, 68.546,

94, 33.107,
161.286

345.961

94, 31.180,
165.576

39, 69.010,
347.344

Harmonies

Complementary

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



66, 12.730, 336.592



70, 12.634, 154.701

Rectangle

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



66, 12.730, 336.592



66, 12.730, 26.592



66, 12.730, 156.592



66, 12.730, 206.592

Sweetspot

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



66, 12.728, 336.594



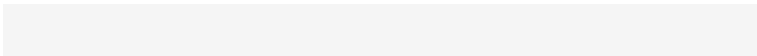
90, 4.651, 335.862



65, 13.726, 303.812



48, 3.334, 335.927



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



66, 12.728, 336.594



83, 18.774, 336.805



66, 9.612, 7.036



35, 5.342, 336.279



33, 61.948, 347.043



2, 11.880, 340.588

Inverse Universe

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



66, 12.728, 336.594



83, 18.774, 336.805



71, 9.069, 184.723



35, 5.342, 336.279



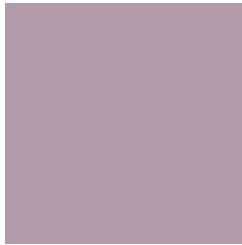
33, 61.948, 347.043



2, 11.880, 340.588

Previews

White Background



This preview shows how the CIELCh color 66, 12.730, 336.592 looks on a white background.

Color Contrast Check

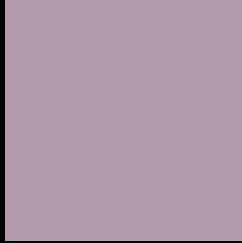
Large Text (above 18pt) WCAG AA × Fail

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, 12.730, 336.592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

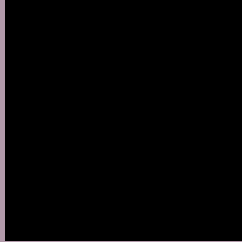
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 12.730, 336.592

Background



This preview shows how black text looks on a background with the CIELCh color 66, 12.730, 336.592.



This preview shows how white text looks on a background with the CIELCh color 66, 12.730, 336.592.

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, 12.730, 336.592

Protanopia

66, 7.783, 293.706

Deuteranopia

66, 9.446, 330.630



Tritanopia
66, 11.042, 343.533

Trichromacy



Original Color
66, 12.730, 336.592

Protanomaly
66, 9.017, 312.827

Deuteranomaly
66, 10.618, 333.521

Tritanomaly
66, 11.373, 341.287

Monochromacy



Original Color
66, 12.730, 336.592

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 4.134, 337.749

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 12.730, 336.592 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(178, 154, 170)` looks like.

```
.text, #text, p{  
    color:rgb(178, 154, 170)  
}
```

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(178, 154, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 154, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 12.730, 336.592 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(178, 154, 170) }
```

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

```
.border{ border-color:rgb(178, 154, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 154, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 154, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 154, 170);  
box-shadow:4px 4px 4px 4px rgb(178, 154,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 12.730, 336.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 154, 170) }
```

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

```
.background{ background-color: rgb(178,  
154, 170) }
```

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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