

Converting Colors

CIELCh(66, 37.641, 303.833)

Have a look what the booklet for
CIELCh(66, 37.641, 303.833)
contains.

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Color

CIELCh(66, 37.905, 303.867)

Conversions

Conversions Part 1

Format	Color
Hex	AA96D9
RGB	170, 150, 217
RGB Percent	67%, 59%, 85%
CMY	0.3337, 0.4121, 0.1494
CMYK	0.22, 0.31, 0.00, 0.15
HSL	258°, 47%, 72%
HSV	258°, 31%, 85%
XYZ	39.9606, 35.3238, 70.2913
YIQ	163.6180, -9.5870, 25.0770

Conversions

Conversions Part 2

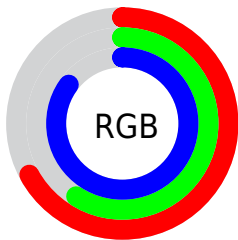
Format	Color
RYB	170, 150, 217
Decimal	11179737
CIELab	66.00, 21.12, -31.47
CIElCh	66, 37.905, 303.867
Yxy	35.3238, 0.2745, 0.2426
Android (android.graphics.Color)	4289369817 (0xFFAA96D9)
YUV	163.6180, 26.3173, 5.5970
Hunter-Lab	59.4338, 16.0062, -28.5175

Details

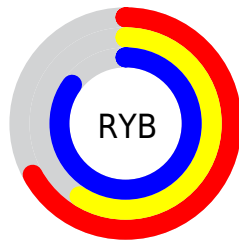
The CIELCh color $66, 37.905, 303.867$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $84, 35.608, 119.945$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 27.982, 307.668$, and $46, 38.045, 304.071$ is the 20% darker color. If you saturate the color by 10%, you get $59, 50.989, 304.726$, and if you desaturate by 10%, it is $73, 25.191, 303.089$.

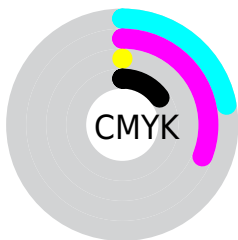
Distribution



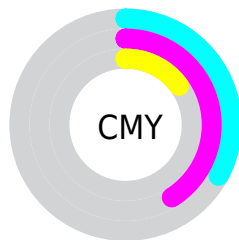
- Red (67%)
- Green (59%)
- Blue (85%)



- Red (67%)
- Yellow (59%)
- Blue (85%)



- Cyan (22%)
- Magenta (31%)
- Yellow (0%)
- Black (15%)





- Cyan (33%)
- Magenta (41%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 37.905, 303.867 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, 37.905, 303.867 by changing the saturation by 10% instead.


 66, 37.905,
303.867


 66, 37.905,
303.867


 100, 37.905,
303.867


 56, 37.905,
303.867


 86, 37.905,
303.867

 46, 37.905,
303.867

 96, 37.905,
303.867

 36, 37.905,
303.867

 26, 37.905,
303.867

 16, 37.905,
303.867

 6, 37.905, 303.867

 0, 37.905, 303.867

66, 37.905,
303.867

66, 37.905,
303.867

59, 50.989,
304.726

73, 25.191,
303.089

53, 64.321,
305.646

79, 12.901,
302.396

47, 77.623,
306.580

86, 1.040, 301.745

41, 90.357,
307.441

93, 10.402,
121.272

36, 101.614,
308.092

98, 19.580,
118.434

32, 110.143,
308.348

99, 19.259,
108.720

30, 115.099,
308.212

Harmonies

Complementary

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



66, 37.905, 303.867



84, 35.608, 119.945

Rectangle

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



66, 37.905, 303.867



66, 37.905, 353.867



66, 37.905, 123.867



66, 37.905, 173.867

Sweetspot

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



66, 37.903, 303.867



93, 12.125, 302.280



77, 18.375, 232.347



49, 8.447, 302.374



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, 37.903, 303.867



72, 52.328, 304.413



69, 40.996, 319.665



42, 6.771, 302.303



23, 97.223, 308.348



3, 30.181, 302.370

Inverse Universe

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



70, 35.256, 336.464



77, 47.999, 336.997



82, 40.370, 136.701



43, 6.491, 334.835



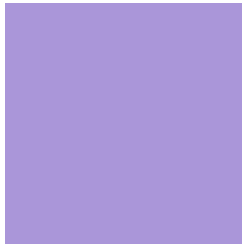
38, 69.259, 344.672



6, 28.054, 341.166

Previews

White Background



This preview shows how the CIELCh color 66, 37.905, 303.867 looks on a white background.

Color Contrast Check

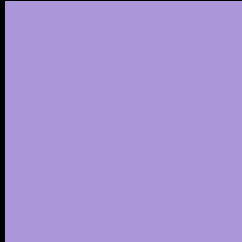
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 66, 37.905, 303.867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

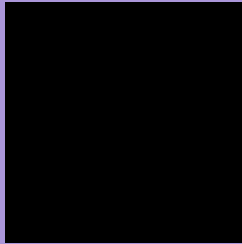
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 37.905, 303.867

Background



This preview shows how black text looks on a background with the CIELCh color 66, 37.905, 303.867.



This preview shows how white text looks on a background with the CIELCh color 66, 37.905, 303.867.

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, 6.767, 300.346

Trichromacy



Original Color
66, 37.905, 303.867

Protanomaly
66, 36.598, 292.394

Deuteranomaly
66, 33.847, 293.066

Tritanomaly
66, 18.111, 302.185

Monochromacy



Original Color
66, 37.905, 303.867

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 13.574, 302.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 37.905, 303.867 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(170, 150, 217)` looks like.

```
.text, #text, p{  
    color:rgb(170, 150, 217)  
}
```

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(170, 150, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 150, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 37.905, 303.867 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(170, 150, 217) }
```

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

```
.border{ border-color:rgb(170, 150, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 150, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 150, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 150, 217);  
box-shadow:4px 4px 4px 4px rgb(170, 150,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 37.905, 303.867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 150, 217) }
```

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

```
.background{ background-color: rgb(170,  
150, 217) }
```

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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