

Converting Colors

CIELCh(63, 40.124, 305.885)

Have a look what the booklet for
CIELCh(63, 40.124, 305.885)
contains.

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Color

CIELCh(63, 40.231, 306.002)

Conversions

Conversions Part 1

Format	Color
Hex	A58CD2
RGB	165, 140, 210
RGB Percent	65%, 55%, 82%
CMY	0.3513, 0.4494, 0.1748
CMYK	0.21, 0.33, 0.00, 0.17
HSL	261°, 44%, 69%
HSV	261°, 33%, 83%
XYZ	36.7219, 31.5869, 65.4078
YIQ	155.4550, -7.5700, 27.0700

Conversions

Conversions Part 2

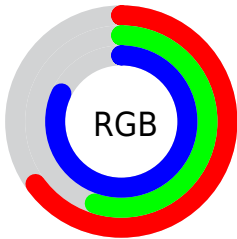
Format	Color
R_{YB}	165, 140, 210
Decimal	10849490
CIE _{Lab}	63.00, 23.65, -32.55
CIE _{LCh}	63, 40.231, 306.002
Yxy	31.5869, 0.2746, 0.2362
Android (android.graphics.Color)	4289039570 (0xFFA58CD2)
YUV	155.4550, 26.8907, 8.3710
Hunter-Lab	56.2022, 18.2759, -29.6597

Details

The CIELCh color $63, 40.231, 306.002$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $81, 37.799, 122.158$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 33.721, 308.280$, and $43, 39.895, 305.989$ is the 20% darker color. If you saturate the color by 10%, you get $57, 53.044, 306.758$, and if you desaturate by 10%, it is $69, 27.703, 305.300$.

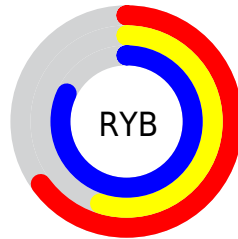
Distribution



Red (65%)

Green (55%)

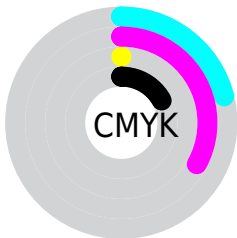
Blue (82%)



Red (65%)

Yellow (55%)

Blue (82%)

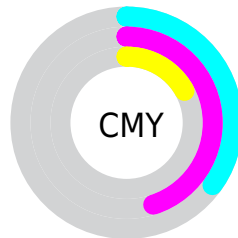


Cyan (21%)

Magenta (33%)

Yellow (0%)

Black (17%)



Cyan (35%)


Magenta (45%)


Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 40.231, 306.002 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 63, 40.231, 306.002 by changing the saturation by 10% instead.


 63, 40.231,
306.002


 63, 40.231,
306.002


 100, 40.231,
306.002


 53, 40.231,
306.002


 83, 40.231,
306.002

 43, 40.231,
306.002

 93, 40.231,
306.002

 33, 40.231,
306.002

 23, 40.231,
306.002

 13, 40.231,
306.002

 3, 40.231, 306.002

 0, 40.231, 306.002

63, 40.231,
306.002

63, 40.231,
306.002

57, 53.044,
306.758

69, 27.703,
305.300

51, 65.974,
307.541

76, 15.544,
304.664

45, 78.679,
308.297

82, 3.781, 304.086

39, 90.560,
308.933

89, 7.584, 123.619

35, 100.692,
309.313

95, 18.564,
123.181

32, 107.955,
309.277

98, 22.769,
116.359

30, 111.293,
309.061

99, 22.518,
108.471

Harmonies

Complementary

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



63, 40.231, 306.002



81, 37.799, 122.158

Rectangle

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



63, 40.231, 306.002



63, 40.231, 356.002



63, 40.231, 126.002



63, 40.231, 176.002

Sweetspot

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



63, 40.229, 306.002



92, 13.609, 304.477



73, 19.475, 241.953



48, 9.306, 304.560



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 40.229, 306.002



70, 57.088, 306.539



66, 43.755, 321.806



41, 6.566, 304.436



23, 94.066, 309.218



2, 26.131, 302.516

Inverse Universe

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



67, 35.601, 339.323



76, 49.785, 339.997



79, 43.305, 138.372



41, 5.985, 337.340



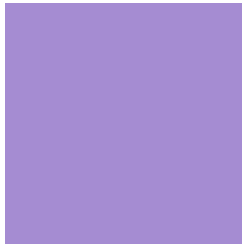
37, 65.465, 349.122



5, 23.708, 344.441

Previews

White Background



This preview shows how the CIELCh color 63, 40.231, 306.002 looks on a white background.

Color Contrast Check

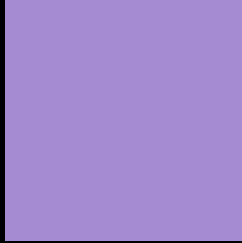
Large Text (above 18pt) WCAG AA × Fail

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 63, 40.231, 306.002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

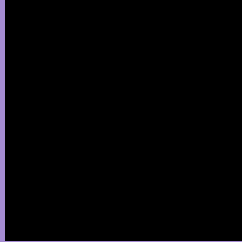
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 40.231, 306.002

Background



This preview shows how black text looks on a background with the CIELCh color 63, 40.231, 306.002.



This preview shows how white text looks on a background with the CIELCh color 63, 40.231, 306.002.

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

63, 40.231, 306.002

Protanopia

63, 38.221, 285.508

Deuteranopia

63, 32.081, 284.472



Tritanopia
63, 7.254, 312.212

Trichromacy



Original Color
63, 40.231, 306.002

Protanomaly
63, 38.043, 292.732

Deuteranomaly
63, 34.717, 293.291

Tritanomaly
63, 19.155, 306.250

Monochromacy



Original Color
63, 40.231, 306.002

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 14.962, 304.349

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 40.231, 306.002 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(165, 140, 210)` looks like.

```
.text, #text, p{  
    color:rgb(165, 140, 210)  
}
```

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(165, 140, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 140, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 40.231, 306.002 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(165, 140, 210) }
```

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

```
.border{ border-color:rgb(165, 140, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 140, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 140, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 140, 210);  
box-shadow:4px 4px 4px 4px rgb(165, 140,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 40.231, 306.002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 140, 210) }
```

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

```
.background{ background-color: rgb(165,  
140, 210) }
```

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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