

Converting Colors

CIELCh(64, 42.086, 304.096)

Have a look what the booklet for
CIELCh(64, 42.086, 304.096)
contains.

CIELCh(64, 42.086, 304.096)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(64, 42.086, 304.096)

Conversions

Conversions Part 1

Format	Color
Hex	A58FD9
RGB	165, 143, 217
RGB Percent	65%, 56%, 85%
CMY	0.3516, 0.4380, 0.1477
CMYK	0.24, 0.34, 0.00, 0.15
HSL	258°, 50%, 71%
HSV	258°, 34%, 85%
XYZ	38.0241, 32.8017, 70.2051
YIQ	158.0140, -10.6420, 27.6780

Conversions

Conversions Part 2

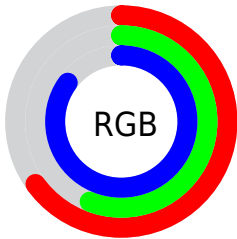
Format	Color
RYB	165, 143, 217
Decimal	10850265
CIELab	64.00, 23.59, -34.85
CIELCh	64, 42.086, 304.096
Yxy	32.8017, 0.2696, 0.2326
Android (android.graphics.Color)	4289040345 (0xFFA58FD9)
YUV	158.0140, 29.0801, 6.1267
Hunter-Lab	57.2727, 18.2810, -32.5870

Details

The CIELCh color $64, 42.086, 304.096$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $84, 39.239, 119.718$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 31.868, 307.227$, and $44, 42.553, 304.461$ is the 20% darker color. If you saturate the color by 10%, you get $57, 55.290, 304.980$, and if you desaturate by 10%, it is $71, 29.225, 303.289$.

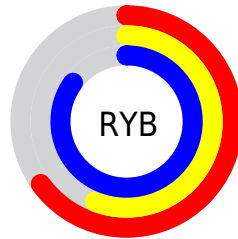
Distribution



Red (65%)

Green (56%)

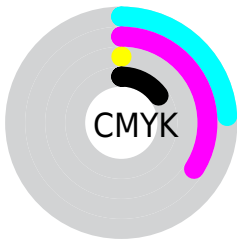
Blue (85%)



Red (65%)

Yellow (56%)

Blue (85%)

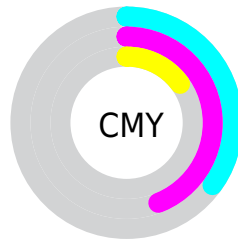


Cyan (24%)

Magenta (34%)

Yellow (0%)

Black (15%)



Cyan (35%)

Magenta (44%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 42.086, 304.096 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 64, 42.086, 304.096 by changing the saturation by 10% instead.

 64, 42.086,
304.096

 64, 42.086,
304.096

 100, 42.086,
304.096

 54, 42.086,
304.096

 84, 42.086,
304.096

 44, 42.086,
304.096

 94, 42.086,
304.096

 34, 42.086,
304.096

 24, 42.086,
304.096

 14, 42.086,
304.096

 4, 42.086, 304.096

 0, 42.086, 304.096

64, 42.086,
304.096

64, 42.086,
304.096

57, 55.290,
304.980

71, 29.225,
303.289

51, 68.676,
305.914

77, 16.780,
302.568

45, 81.897,
306.840

84, 4.765, 301.927

91, 6.826, 121.392

39, 94.306,
307.656

97, 18.009,
120.908

35, 104.862,
308.206

99, 19.039,
108.737

31, 112.279,
308.303

30, 115.296,
308.197

Harmonies

Complementary

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



64, 42.086, 304.096



84, 39.239, 119.718

Rectangle

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



64, 42.086, 304.096



64, 42.086, 354.096



64, 42.086, 124.096



64, 42.086, 174.096

Sweetspot

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



64, 42.084, 304.096



92, 13.494, 302.305



76, 20.086, 232.780



48, 9.229, 302.398



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 42.084, 304.096



69, 58.343, 304.736



67, 45.297, 319.801



42, 6.770, 302.263



23, 97.241, 308.334



3, 30.177, 302.338

Inverse Universe

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



68, 38.923, 336.676



75, 53.018, 337.295



81, 44.544, 136.502



43, 6.496, 334.791



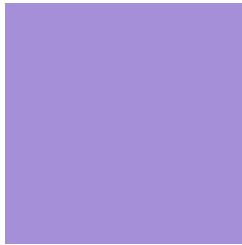
38, 69.307, 344.592



6, 28.074, 341.104

Previews

White Background



This preview shows how the CIELCh color 64, 42.086, 304.096 looks on a white background.

Color Contrast Check

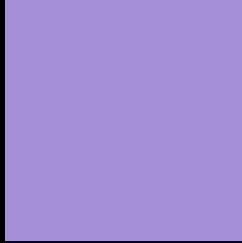
Large Text (above 18pt) WCAG AA × Fail

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 64, 42.086, 304.096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

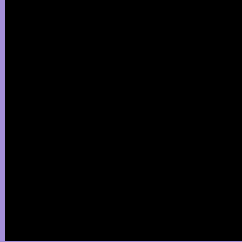
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 42.086, 304.096

Background



This preview shows how black text looks on a background with the CIELCh color 64, 42.086, 304.096.




This preview shows how white text looks on a background with the CIELCh color 64, 42.086, 304.096.

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
64, 6.750, 297.235

Trichromacy



Original Color
64, 42.086, 304.096

Protanomaly
64, 40.721, 292.210

Deuteranomaly
64, 37.402, 292.607

Tritanomaly
64, 19.883, 301.464

Monochromacy



Original Color
64, 42.086, 304.096

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 15.377, 302.580

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 42.086, 304.096 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, 143, 217)` looks like.

```
.text, #text, p{  
    color:rgb(165, 143, 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(165, 143, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 143, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 42.086, 304.096 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, 143, 217) }
```

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

```
.border{ border-color:rgb(165, 143, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 143, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 143, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 143, 217); box-shadow:4px 4px 4px 4px rgb(165, 143, 217) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 42.086, 304.096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 143, 217) }
```

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

```
.background{ background-color: rgb(165,  
143, 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](#).

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