

Converting Colors

CIELCh(64, 40.520, 304.896)

Have a look what the booklet for
CIELCh(64, 40.520, 304.896)
contains.

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Color

CIELCh(64, 40.520, 304.896)

Conversions

Conversions Part 1

Format	Color
Hex	A68FD6
RGB	166, 143, 214
RGB Percent	65%, 56%, 84%
CMY	0.3473, 0.4376, 0.1590
CMYK	0.22, 0.33, 0.00, 0.16
HSL	259°, 47%, 70%
HSV	259°, 33%, 84%
XYZ	37.8968, 32.8017, 68.2522
YIQ	157.9710, -9.0830, 26.9570

Conversions

Conversions Part 2

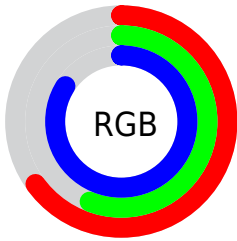
Format	Color
R _Y B	166, 143, 214
Decimal	10915798
CIE Lab	64.00, 23.18, -33.23
CIE LCh	64, 40.520, 304.896
Yxy	32.8017, 0.2727, 0.2361
Android (android.graphics.Color)	4289105878 (0xFFA68FD6)
YUV	157.9710, 27.6223, 7.0414
Hunter-Lab	57.2727, 17.8843, -30.5652

Details

The CIELCh color $64, 40.520, 304.896$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $83, 37.958, 120.848$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 31.951, 307.817$, and $44, 40.874, 305.225$ is the 20% darker color. If you saturate the color by 10%, you get $58, 53.542, 305.717$, and if you desaturate by 10%, it is $71, 27.822, 304.143$.

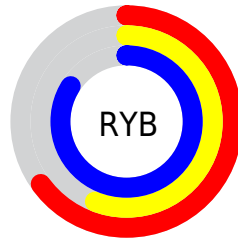
Distribution



Red (65%)

Green (56%)

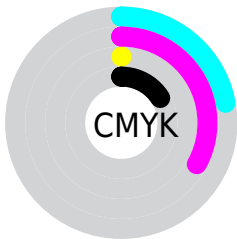
Blue (84%)



Red (65%)

Yellow (56%)

Blue (84%)

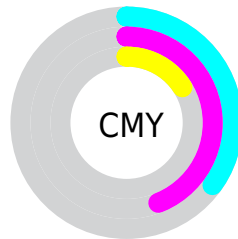


Cyan (22%)

Magenta (33%)

Yellow (0%)

Black (16%)



Cyan (35%)

Magenta (44%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 40.520, 304.896 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, 40.520, 304.896 by changing the saturation by 10% instead.

64, 40.520,
304.896

64, 40.520,
304.896

100, 40.520,
304.896

54, 40.520,
304.896

84, 40.520,
304.896

44, 40.520,
304.896

94, 40.520,
304.896

34, 40.520,
304.896

24, 40.520,
304.896

14, 40.520,
304.896

4, 40.520, 304.896

0, 40.520, 304.896

64, 40.520,
304.896

64, 40.520,
304.896

58, 53.542,
305.717

71, 27.822,
304.143

51, 66.731,
306.579

77, 15.521,
303.466

45, 79.755,
307.429

84, 3.636, 302.857

40, 92.010,
308.171

90, 7.837, 122.360

35, 102.528,
308.662

97, 18.913,
121.902

32, 110.100,
308.726

99, 20.508,
110.271

30, 113.601,
308.559

99, 20.494,
108.626

Harmonies

Complementary

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



64, 40.520, 304.896



83, 37.958, 120.848

Rectangle

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



64, 40.520, 304.896



64, 40.520, 354.896



64, 40.520, 124.896



64, 40.520, 174.896

Sweetspot

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



64, 40.518, 304.896



92, 13.543, 303.276



75, 19.475, 237.316



48, 9.262, 303.365



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, 40.518, 304.896



70, 56.941, 305.487



67, 43.893, 320.785



42, 6.665, 303.235



23, 95.719, 308.708



2, 28.144, 302.289

Inverse Universe

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



68, 36.791, 337.777



76, 50.876, 338.420



80, 43.315, 137.486



42, 6.252, 335.899



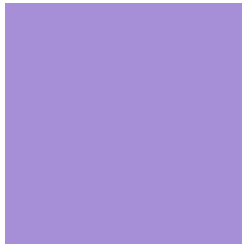
38, 67.443, 346.556



6, 26.030, 342.501

Previews

White Background



This preview shows how the CIELCh color 64, 40.520, 304.896 looks on a white background.

Color Contrast Check

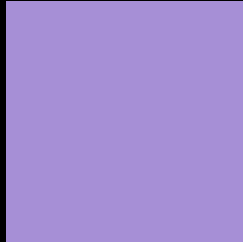
Large Text (above 18pt) WCAG AA × Fail

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, 40.520, 304.896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

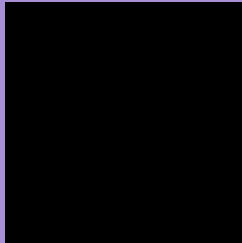
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 40.520, 304.896

Background



This preview shows how black text looks on a background with the CIELCh color 64, 40.520, 304.896.



This preview shows how white text looks on a background with the CIELCh color 64, 40.520, 304.896.

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


64, 40.520, 304.896

Protanopia

64, 38.669, 285.186

Deuteranopia

64, 33.097, 284.876



Tritanopia
64, 6.984, 306.443

Trichromacy



Original Color
64, 40.520, 304.896

Protanomaly
64, 38.472, 291.826

Deuteranomaly
64, 35.148, 292.776

Tritanomaly
64, 18.924, 304.103

Monochromacy



Original Color
64, 40.520, 304.896

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 14.832, 302.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 40.520, 304.896 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(166, 143, 214)` looks like.

```
.text, #text, p{  
    color:rgb(166, 143, 214)  
}
```

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(166, 143, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 143, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 40.520, 304.896 is called "border". The border property can be set on classes, ids or directly on the HTML element.

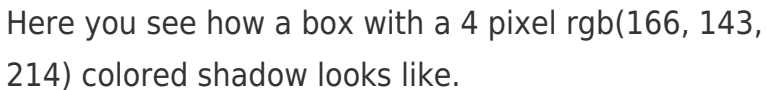
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 143, 214) }
```

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

```
.border{ border-color:rgb(166, 143, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 143, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 143, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 143, 214);  
box-shadow:4px 4px 4px 4px rgb(166, 143,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 40.520, 304.896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 143, 214) }
```

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

```
.background{ background-color: rgb(166,  
143, 214) }
```

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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