

Converting Colors

CIELCh(64, 49.471, 304.559)

Have a look what the booklet for
CIELCh(64, 49.471, 304.559)
contains.

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Color

CIELCh(64, 49.357, 304.506)

Conversions

Conversions Part 1

Format	Color
Hex	A78DE4
RGB	167, 141, 228
RGB Percent	65%, 55%, 89%
CMY	0.3457, 0.4476, 0.1065
CMYK	0.27, 0.38, 0.00, 0.11
HSL	258°, 62%, 72%
HSV	258°, 38%, 89%
XYZ	39.3925, 32.8017, 77.5438
YIQ	158.6920, -12.4310, 32.5690

Conversions

Conversions Part 2

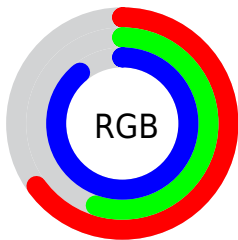
Format	Color
RYB	167, 141, 228
Decimal	10980836
CIELab	64.00, 27.96, -40.67
CIELCh	64, 49.357, 304.506
Yxy	32.8017, 0.2631, 0.2191
Android (android.graphics.Color)	4289170916 (0xFFA78DE4)
YUV	158.6920, 34.1688, 7.2861
Hunter-Lab	57.2727, 22.5461, -40.1842

Details

The CIELCh color $64, 49.357, 304.506$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $87, 45.553, 119.537$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 33.368, 309.636$, and $44, 49.616, 304.740$ is the 20% darker color. If you saturate the color by 10%, you get $57, 63.184, 305.415$, and if you desaturate by 10%, it is $71, 35.830, 303.665$.

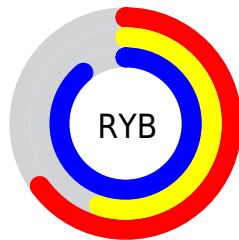
Distribution



Red (65%)

Green (55%)

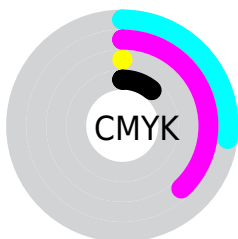
Blue (89%)



Red (65%)

Yellow (55%)

Blue (89%)

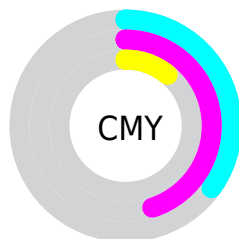


Cyan (27%)

Magenta (38%)

Yellow (0%)

Black (11%)



Cyan (35%)

Magenta (45%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 49.357, 304.506 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, 49.357, 304.506 by changing the saturation by 10% instead.

 64, 49.357,
304.506

 64, 49.357,
304.506

 100, 49.357,
304.506

 54, 49.357,
304.506

 84, 49.357,
304.506

 44, 49.357,
304.506

 94, 49.357,
304.506

 34, 49.357,
304.506

 24, 49.357,
304.506

 14, 49.357,
304.506

 4, 49.357, 304.506

 0, 49.357, 304.506

64, 49.357,
304.506

64, 49.357,
304.506

57, 63.184,
305.415

71, 35.830,
303.665

51, 77.075,
306.354

78, 22.712,
302.908

45, 90.549,
307.246

85, 10.040,
302.236

39, 102.759,
307.966

92, 2.186, 121.680

35, 112.459,
308.336

99, 13.980,
121.151

32, 118.554,
308.219

99, 13.739,
109.139

31, 119.478,
308.190

Harmonies

Complementary

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



64, 49.357, 304.506



87, 45.553, 119.537

Rectangle

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



64, 49.357, 304.506



64, 49.357, 354.506



64, 49.357, 124.506



64, 49.357, 174.506

Sweetspot

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



64, 49.356, 304.506



92, 14.872, 302.422



78, 23.054, 233.410



48, 10.016, 302.512



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, 49.356, 304.506



65, 65.935, 305.239



68, 52.732, 319.976



44, 7.030, 302.318



24, 99.353, 308.333



3, 34.471, 304.187

Inverse Universe

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



69, 45.158, 337.092



73, 59.001, 337.808



84, 51.768, 136.232



45, 6.737, 334.852



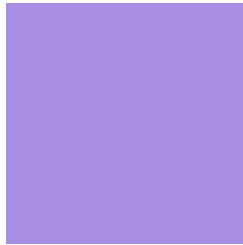
40, 70.719, 344.742



7, 30.552, 341.509

Previews

White Background



This preview shows how the CIELCh color 64, 49.357, 304.506 looks on a white background.

Color Contrast Check

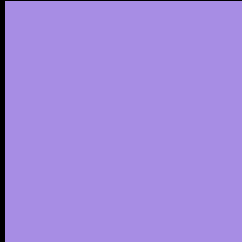
Large Text (above 18pt) WCAG AA × Fail

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, 49.357, 304.506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

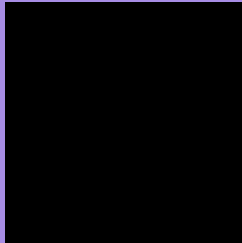
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 49.357, 304.506

Background



This preview shows how black text looks on a background with the CIELCh color 64, 49.357, 304.506.



This preview shows how white text looks on a background with the CIELCh color 64, 49.357, 304.506.

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, 49.357, 304.506

Protanopia
64, 47.590, 285.860

Deuteranopia
64, 39.979, 282.796



Tritanopia
64, 6.715, 294.077

Trichromacy



Original Color
64, 49.357, 304.506

Protanomaly
64, 47.933, 292.268

Deuteranomaly
64, 42.948, 291.375

Tritanomaly
64, 22.162, 301.582

Monochromacy



Original Color
64, 49.357, 304.506

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 18.263, 303.323

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 49.357, 304.506 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(167, 141, 228)` looks like.

```
.text, #text, p{  
    color:rgb(167, 141, 228)  
}
```

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(167, 141, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 141, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 49.357, 304.506 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(167, 141, 228) }
```

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

```
.border{ border-color:rgb(167, 141, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 141, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 141, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 141, 228); box-shadow:4px 4px 4px 4px rgb(167, 141, 228) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 49.357, 304.506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 141, 228) }
```

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

```
.background{ background-color: rgb(167,  
141, 228) }
```

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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