

Converting Colors

CIELCh(64, 46.246, 306.262)

Have a look what the booklet for
CIELCh(64, 46.246, 306.262)
contains.

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Color

CIELCh(64, 46.295, 306.273)

Conversions

Conversions Part 1

Format	Color
Hex	AA8DDE
RGB	170, 141, 222
RGB Percent	67%, 55%, 87%
CMY	0.3339, 0.4476, 0.1300
CMYK	0.23, 0.37, 0.00, 0.13
HSL	261°, 55%, 71%
HSV	261°, 37%, 87%
XYZ	39.2119, 32.8017, 73.2617
YIQ	158.9050, -8.7170, 31.3390

Conversions

Conversions Part 2

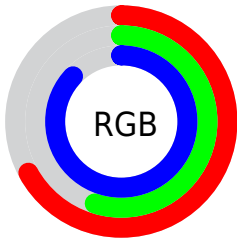
Format	Color
RYB	170, 141, 222
Decimal	11177438
CIELab	64.00, 27.39, -37.32
CIELCh	64, 46.295, 306.273
Yxy	32.8017, 0.2699, 0.2258
Android (android.graphics.Color)	4289367518 (0xFFAA8DDE)
YUV	158.9050, 31.1058, 9.7303
Hunter-Lab	57.2727, 21.9831, -35.7512

Details

The CIELCh color $64, 46.295, 306.273$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $85, 43.185, 122.010$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 33.561, 310.756$, and $44, 46.316, 306.428$ is the 20% darker color. If you saturate the color by 10%, you get $57, 59.737, 307.044$, and if you desaturate by 10%, it is $71, 33.104, 305.550$.

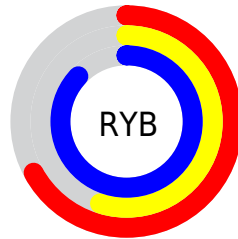
Distribution



Red (67%)

Green (55%)

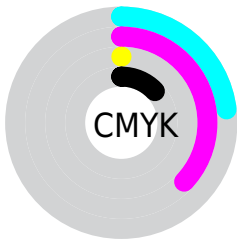
Blue (87%)



Red (67%)

Yellow (55%)

Blue (87%)

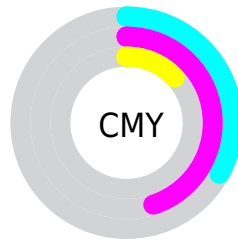


Cyan (23%)

Magenta (37%)

Yellow (0%)

Black (13%)



Cyan (33%)


Magenta (45%)


Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 46.295, 306.273 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, 46.295, 306.273 by changing the saturation by 10% instead.

 64, 46.295,
306.273

 64, 46.295,
306.273


 100, 46.295,
306.273


 54, 46.295,
306.273


 84, 46.295,
306.273

 44, 46.295,
306.273

 94, 46.295,
306.273

 34, 46.295,
306.273

 24, 46.295,
306.273

 14, 46.295,
306.273

 4, 46.295, 306.273

 0, 46.295, 306.273

64, 46.295,
306.273

64, 46.295,
306.273

57, 59.737,
307.044

71, 33.104,
305.550

51, 73.204,
307.826

77, 20.280,
304.891

45, 86.256,
308.553

84, 7.863, 304.297

40, 98.148,
309.118

91, 4.135, 123.806

97, 15.725,
123.340

36, 107.805,
309.369

99, 16.770,
108.910

33, 114.121,
309.156

32, 115.832,
309.040

Harmonies

Complementary

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



64, 46.295, 306.273



85, 43.185, 122.010

Rectangle

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



64, 46.295, 306.273



64, 46.295, 356.273



64, 46.295, 126.273



64, 46.295, 176.273

Sweetspot

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



64, 46.293, 306.273



92, 14.996, 304.562



76, 22.103, 242.559



48, 10.099, 304.643



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, 46.293, 306.273



67, 63.122, 306.874



68, 50.054, 321.950



43, 6.829, 304.465



24, 96.178, 309.207



3, 30.406, 304.200

Inverse Universe

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



68, 40.682, 339.666



73, 54.483, 340.436



82, 49.507, 138.134



43, 6.222, 337.376



38, 66.871, 349.245



6, 27.003, 344.718

Previews

White Background



This preview shows how the CIELCh color 64, 46.295, 306.273 looks on a white background.

Color Contrast Check

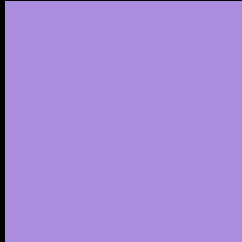
Large Text (above 18pt) WCAG AA × Fail

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, 46.295, 306.273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

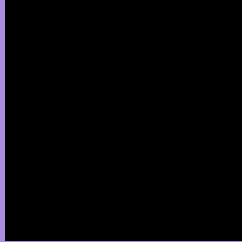
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 46.295, 306.273

Background



This preview shows how black text looks on a background with the CIELCh color 64, 46.295, 306.273.




This preview shows how white text looks on a background with the CIELCh color 64, 46.295, 306.273.

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, 7.098, 309.370

Trichromacy



Original Color
64, 46.295, 306.273

Protanomaly
64, 44.026, 292.333

Deuteranomaly
64, 39.608, 292.912

Tritanomaly
64, 21.351, 305.804

Monochromacy



Original Color
64, 46.295, 306.273

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 17.257, 305.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 46.295, 306.273 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, 141, 222)` looks like.

```
.text, #text, p{  
    color:rgb(170, 141, 222)  
}
```

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, 141, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 141, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 46.295, 306.273 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, 141, 222) }
```

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

```
.border{ border-color:rgb(170, 141, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 141, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 141, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 141, 222);  
box-shadow:4px 4px 4px 4px rgb(170, 141,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 46.295, 306.273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 141, 222) }
```

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

```
.background{ background-color: rgb(170,  
141, 222) }
```

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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