

Converting Colors

CIELCh(64, 45.922, 297.903)

Have a look what the booklet for
CIELCh(64, 45.922, 297.903)
contains.

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Color

CIELCh(64, 46.485, 298.282)

Conversions

Conversions Part 1

Format	Color
Hex	9A91E4
RGB	154, 145, 228
RGB Percent	60%, 57%, 89%
CMY	0.3954, 0.4307, 0.1052
CMYK	0.32, 0.36, 0.00, 0.11
HSL	247°, 61%, 73%
HSV	247°, 36%, 89%
XYZ	37.5408, 32.8017, 77.8862
YIQ	157.1530, -21.2790, 27.7210

Conversions

Conversions Part 2

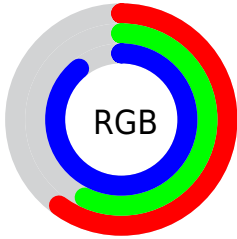
Format	Color
RYB	154, 145, 228
Decimal	10129892
CIELab	64.00, 22.03, -40.94
CIElCh	64, 46.485, 298.282
Yxy	32.8017, 0.2533, 0.2213
Android (android.graphics.Color)	4288319972 (0xFF9A91E4)
YUV	157.1530, 34.9276, -2.7652
Hunter-Lab	57.2727, 16.7748, -40.5386

Details

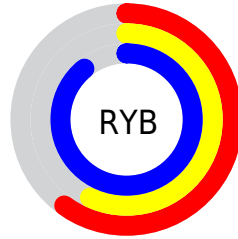
The CIELCh color $64, 46.485, 298.282$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $88, 42.479, 111.515$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 29.983, 299.608$, and $44, 46.125, 298.118$ is the 20% darker color. If you saturate the color by 10%, you get $57, 60.447, 299.727$, and if you desaturate by 10%, it is $71, 33.024, 297.012$.

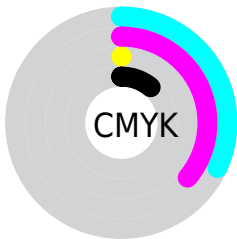
Distribution



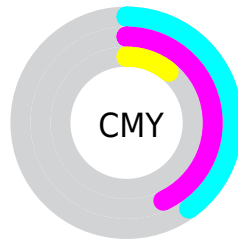
- Red (60%)
- Green (57%)
- Blue (89%)



- Red (60%)
- Yellow (57%)
- Blue (89%)



- Cyan (32%)
- Magenta (36%)
- Yellow (0%)
- Black (11%)



- Cyan (40%)
- Magenta (43%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 46.485, 298.282 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, 46.485, 298.282 by changing the saturation by 10% instead.

 64, 46.485,
298.282

 64, 46.485,
298.282


 100, 46.485,
298.282

 54, 46.485,
298.282


 84, 46.485,
298.282

 44, 46.485,
298.282

 94, 46.485,
298.282

 34, 46.485,
298.282

 24, 46.485,
298.282

 14, 46.485,
298.282

 4, 46.485, 298.282

 0, 46.485, 298.282

■ 64, 46.485,
298.282

■ 64, 46.485,
298.282

■ 57, 60.447,
299.727

■ 71, 33.024,
297.012

■ 50, 74.778,
301.323

■ 79, 20.093,
295.914

■ 43, 89.100,
302.992

■ 86, 7.677, 294.973

■ 37, 102.571,
304.573

■ 93, 4.255, 114.158

■ 99, 13.569,
109.152

■ 33, 113.690,
305.813

■ 30, 120.656,
306.444

■ 29, 122.411,
306.601

Harmonies

Complementary

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



64, 46.485, 298.282



88, 42.479, 111.515

Rectangle

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



64, 46.485, 298.282



64, 46.485, 348.282



64, 46.485, 118.282



64, 46.485, 168.282

Sweetspot

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



64, 46.484, 298.282



91, 14.612, 295.395



83, 23.919, 208.501



47, 9.844, 295.524



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, 46.484, 298.282



65, 62.498, 299.408



68, 48.679, 314.112



44, 6.905, 295.247



21, 101.765, 306.667



2, 33.886, 299.369

Inverse Universe

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



71, 49.113, 329.679



74, 64.344, 330.145



86, 46.797, 130.789



45, 7.710, 328.058



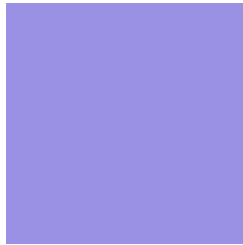
41, 81.231, 333.072



8, 34.535, 332.250

Previews

White Background



This preview shows how the CIELCh color 64, 46.485, 298.282 looks on a white background.

Color Contrast Check

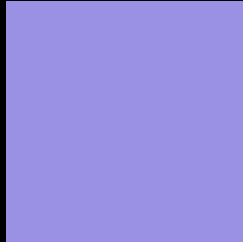
Large Text (above 18pt) WCAG AA × Fail

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, 46.485, 298.282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

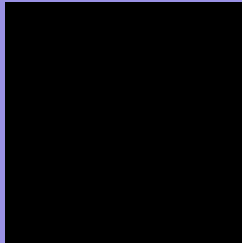
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 46.485, 298.282

Background



This preview shows how black text looks on a background with the CIELCh color 64, 46.485, 298.282.



This preview shows how white text looks on a background with the CIELCh color 64, 46.485, 298.282.

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, 46.485, 298.282

Protanopia

64, 45.942, 285.611

Deuteranopia

64, 40.602, 282.289



Tritanopia
64, 8.927, 253.654

Trichromacy



Original Color
64, 46.485, 298.282

Protanomaly
64, 45.728, 289.715

Deuteranomaly
64, 42.424, 288.489

Tritanomaly
64, 21.282, 285.980

Monochromacy



Original Color
64, 46.485, 298.282

Achromatopsia
65, 0.008, 296.813

Achromatomaly
64, 16.793, 295.582

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 46.485, 298.282 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(154, 145, 228)` looks like.

```
.text, #text, p{  
    color:rgb(154, 145, 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(154, 145, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 145, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 46.485, 298.282 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(154, 145, 228) }
```

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

```
.border{ border-color:rgb(154, 145, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 145, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 145, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 145, 228);  
box-shadow:4px 4px 4px 4px rgb(154, 145,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 46.485, 298.282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 145, 228) }
```

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

```
.background{ background-color: rgb(154,  
145, 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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