

Converting Colors

CIELCh(63, 46.931, 295.711)

Have a look what the booklet for
CIELCh(63, 46.931, 295.711)
contains.

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Color

CIELCh(63, 47.019, 295.741)

Conversions

Conversions Part 1

Format	Color
Hex	9290E4
RGB	146, 144, 228
RGB Percent	57%, 56%, 89%
CMY	0.4281, 0.4359, 0.1066
CMYK	0.36, 0.37, 0.00, 0.11
HSL	241°, 61%, 73%
HSV	241°, 37%, 89%
XYZ	35.7541, 31.5869, 77.4859
YIQ	154.1740, -25.7720, 26.5480

Conversions

Conversions Part 2

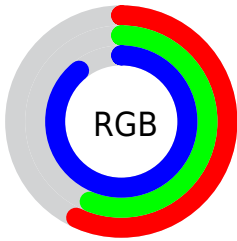
Format	Color
R _Y B	146, 144, 228
Decimal	9605348
CIE Lab	63.00, 20.42, -42.35
CIE LCh	63, 47.019, 295.741
Yxy	31.5869, 0.2469, 0.2181
Android (android.graphics.Color)	4287795428 (0xFF9290E4)
YUV	154.1740, 36.3962, -7.1686
Hunter-Lab	56.2022, 15.2020, -42.4014

Details

The CIELCh color `63, 47.019, 295.741` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `89, 42.805, 107.686`, and the grayscale version is `63, 0.008, 296.813`.

A 20% lighter version of the original color is `82, 30.333, 295.225`, and `43, 46.792, 295.742` is the 20% darker color. If you saturate the color by 10%, you get `56, 61.050, 297.510`, and if you desaturate by 10%, it is `70, 33.538, 294.207`.

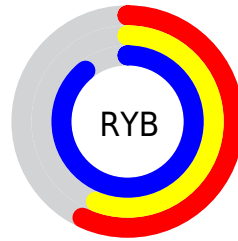
Distribution



Red (57%)

Green (56%)

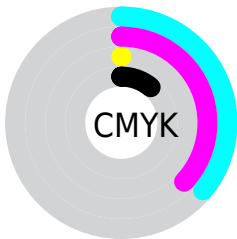
Blue (89%)



Red (57%)

Yellow (56%)

Blue (89%)

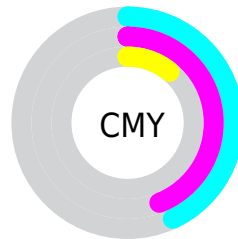


Cyan (36%)

Magenta (37%)

Yellow (0%)

Black (11%)



Cyan (43%)

Magenta (44%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 47.019, 295.741 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 63, 47.019, 295.741 by changing the saturation by 10% instead.

■ 63, 47.019,
295.741

■ 63, 47.019,
295.741

■ 100, 47.019,
295.741

■ 53, 47.019,
295.741

■ 83, 47.019,
295.741

■ 43, 47.019,
295.741

■ 93, 47.019,
295.741

■ 33, 47.019,
295.741

■ 23, 47.019,
295.741

■ 13, 47.019,
295.741

■ 3, 47.019, 295.741

■ 0, 47.019, 295.741

■ 63, 47.019,
295.741

■ 63, 47.019,
295.741

■ 56, 61.050,
297.510

■ 70, 33.538,
294.207

■ 48, 75.520,
299.489

■ 78, 20.618,
292.896

■ 42, 90.046,
301.585

■ 85, 8.227, 291.785

■ 36, 103.699,
303.596

■ 93, 3.673, 110.815

■ 99, 13.749,
109.138

■ 32, 114.780,
305.209

■ 29, 121.354,
306.125

■ 28, 122.781,
306.341

Harmonies

Complementary

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



63, 47.019, 295.741



89, 42.805, 107.686

Rectangle

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



63, 47.019, 295.741



63, 47.019, 345.741



63, 47.019, 115.741



63, 47.019, 165.741

Sweetspot

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



63, 47.018, 295.741



91, 14.566, 292.229



85, 26.150, 199.291



47, 9.814, 292.380



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 47.018, 295.741



64, 62.469, 297.030



67, 48.675, 311.449



44, 6.883, 292.055



21, 102.268, 306.360



2, 33.717, 297.345

Inverse Universe

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



71, 52.602, 327.096



75, 68.110, 327.473



86, 46.266, 127.925



45, 8.174, 325.582



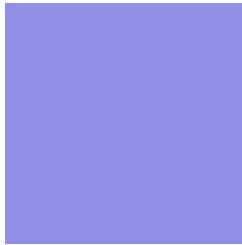
42, 86.805, 329.195



8, 36.531, 329.043

Previews

White Background



This preview shows how the CIELCh color 63, 47.019, 295.741 looks on a white background.

Color Contrast Check

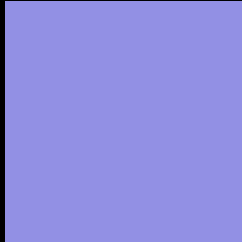
Large Text (above 18pt) WCAG AA × Fail

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 63, 47.019, 295.741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

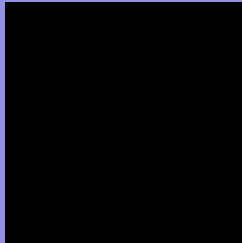
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 47.019, 295.741

Background



This preview shows how black text looks on a background with the CIELCh color 63, 47.019, 295.741.



This preview shows how white text looks on a background with the CIELCh color 63, 47.019, 295.741.

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
63, 11.022, 240.330

Trichromacy



Original Color
63, 47.019, 295.741

Protanomaly
63, 46.440, 288.899

Deuteranomaly
63, 44.307, 287.601

Tritanomaly
63, 21.690, 279.017

Monochromacy



Original Color
63, 47.019, 295.741

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 17.372, 293.205

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 47.019, 295.741 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(146, 144, 228)` looks like.

```
.text, #text, p{  
    color:rgb(146, 144, 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(146, 144, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 144, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 47.019, 295.741 is called "border". The border property can be set on classes, ids or directly on the HTML element.

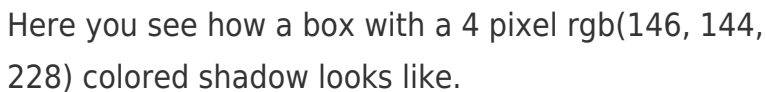
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(146, 144, 228) }
```

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

```
.border{ border-color:rgb(146, 144, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(146, 144, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 144, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 144, 228); box-shadow:4px 4px 4px 4px rgb(146, 144, 228) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 47.019, 295.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 144, 228) }
```

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

```
.background{ background-color: rgb(146,  
144, 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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