

Converting Colors

CIELCh(61, 69.911, 305.883)

Have a look what the booklet for
CIELCh(61, 69.911, 305.883)
contains.

CIELCh(61, 69.843, 305.866)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(61, 69.843, 305.866)

Conversions

Conversions Part 1

Format	Color
Hex	A37DF8
RGB	163, 125, 248
RGB Percent	64%, 49%, 97%
CMY	0.3606, 0.5096, 0.0273
CMYK	0.34, 0.50, 0.00, 0.03
HSL	259°, 90%, 73%
HSV	259°, 50%, 97%
XYZ	39.4017, 29.2481, 92.4114
YIQ	150.3840, -16.8350, 46.3090

Conversions

Conversions Part 2

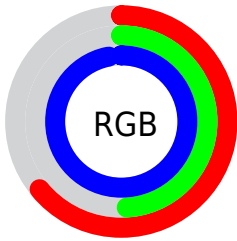
Format	Color
RYB	163, 125, 248
Decimal	10714616
CIELab	61.00, 40.92, -56.60
CIElCh	61, 69.843, 305.866
Yxy	29.2481, 0.2446, 0.1816
Android (android.graphics.Color)	4288904696 (0xFFA37DF8)
YUV	150.3840, 48.1247, 11.0642
Hunter-Lab	54.0815, 35.4056, -63.4542

Details

The CIELCh color $61, 69.843, 305.866$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $93, 62.614, 119.364$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $79, 43.707, 312.478$, and $41, 69.828, 305.715$ is the 20% darker color. If you saturate the color by 10%, you get $54, 84.661, 306.778$, and if you desaturate by 10%, it is $68, 55.008, 304.970$.

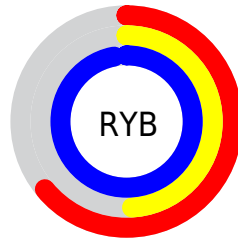
Distribution



Red (64%)

Green (49%)

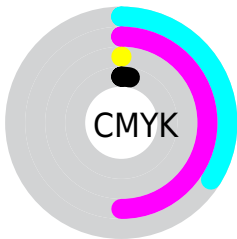
Blue (97%)



Red (64%)

Yellow (49%)

Blue (97%)

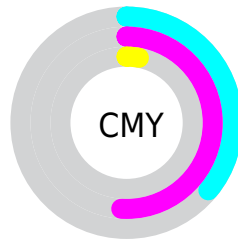


Cyan (34%)

Magenta (50%)

Yellow (0%)

Black (3%)



Cyan (36%)


Magenta (51%)


Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 69.843, 305.866 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 61, 69.843, 305.866 by changing the saturation by 10% instead.


 61, 69.843,
305.866


 61, 69.843,
305.866


 100, 69.843,
305.866


 51, 69.843,
305.866


 81, 69.843,
305.866

 41, 69.843,
305.866

 91, 69.843,
305.866

 31, 69.843,
305.866

 21, 69.843,
305.866

 11, 69.843,
305.866

 1, 69.843, 305.866

 0, 69.843, 305.866

61, 69.843,
305.866

61, 69.843,
305.866

54, 84.661,
306.778

68, 55.008,
304.970

48, 98.886,
307.621

76, 40.457,
304.133

42, 111.528,
308.260

83, 26.325,
303.375

38, 121.213,
308.513

90, 12.663,
302.701

35, 127.038,
308.288

98, 0.521, 122.233

35, 127.244,
308.279

100, 3.516,
109.893

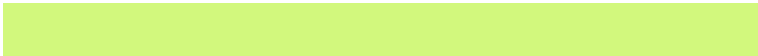
Harmonies

Complementary

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



61, 69.843, 305.866



93, 62.614, 119.364

Rectangle

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



61, 69.843, 305.866



61, 69.843, 355.866



61, 69.843, 125.866



61, 69.843, 175.866

Sweetspot

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



61, 69.842, 305.866



89, 20.450, 303.057



81, 30.786, 238.059



46, 14.004, 303.202



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



61, 69.842, 305.866



55, 87.198, 306.823



67, 72.965, 320.926



48, 7.551, 302.695



25, 103.410, 308.431



4, 42.859, 307.465

Inverse Universe

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



69, 61.366, 338.616



66, 73.686, 339.704



89, 71.569, 135.892



49, 7.173, 335.278



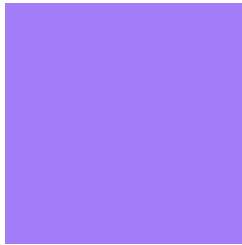
42, 73.174, 345.587



10, 33.957, 342.762

Previews

White Background



This preview shows how the CIELCh color 61, 69.843, 305.866 looks on a white background.

Color Contrast Check

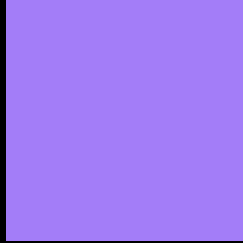
Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 69.843, 305.866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

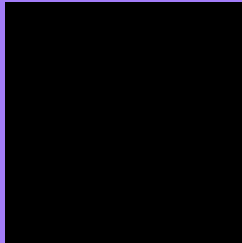
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 69.843, 305.866

Background



This preview shows how black text looks on a background with the CIELCh color 61, 69.843, 305.866.



This preview shows how white text looks on a background with the CIELCh color 61, 69.843, 305.866.

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
61, 6.275, 280.595

Trichromacy



Original Color
61, 69.843, 305.866



Protanomaly
61, 64.558, 293.199



Deuteranomaly
61, 59.116, 289.594



Tritanomaly
61, 29.747, 301.242

Monochromacy



Original Color
61, 69.843, 305.866



Achromatopsia
62, 0.008, 296.813



Achromatomaly
61, 25.929, 303.755

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 69.843, 305.866 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(163, 125, 248)` looks like.

```
.text, #text, p{  
    color:rgb(163, 125, 248)  
}
```

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(163, 125, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 125, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 69.843, 305.866 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(163, 125, 248) }
```

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

```
.border{ border-color:rgb(163, 125, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 125, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 125, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 125, 248);  
box-shadow:4px 4px 4px 4px rgb(163, 125,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 69.843, 305.866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 125, 248) }
```

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

```
.background{ background-color: rgb(163,  
125, 248) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor