

Converting Colors

CIELCh(41, 70.161, 305.728)

Have a look what the booklet for
CIELCh(41, 70.161, 305.728)
contains.

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Color

CIELCh(41, 69.828, 305.715)

Conversions

Conversions Part 1

Format	Color
Hex	6A4BBF
RGB	106, 75, 191
RGB Percent	42%, 29%, 75%
CMY	0.5842, 0.7058, 0.2509
CMYK	0.44, 0.61, 0.00, 0.25
HSL	256°, 48%, 52%
HSV	256°, 61%, 75%
XYZ	17.8724, 11.8645, 50.6552
YIQ	97.4930, -18.7600, 42.6480

Conversions

Conversions Part 2

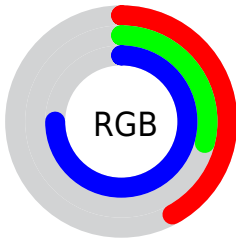
Format	Color
R_{YB}	106, 75, 191
Decimal	6966207
CIE _{Lab}	41.00, 40.76, -56.70
CIE _{LCh}	41, 69.828, 305.715
Yxy	11.8645, 0.2223, 0.1476
Android (android.graphics.Color)	4285156287 (0xFF6A4BBF)
YUV	97.4930, 46.0990, 7.4606
Hunter-Lab	34.4449, 32.3397, -63.0813

Details

The CIELCh color **41, 69.828, 305.715** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **73, 60.276, 117.178**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 69.843, 305.866**, and **21, 70.040, 305.747** is the 20% darker color. If you saturate the color by 10%, you get **36, 81.502, 306.688**, and if you desaturate by 10%, it is **47, 57.737, 304.692**.

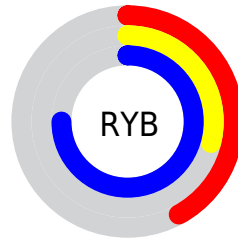
Distribution



Red (42%)

Green (29%)

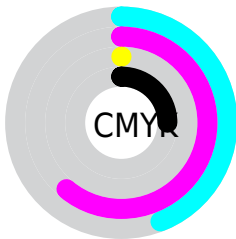
Blue (75%)



Red (42%)

Yellow (29%)

Blue (75%)

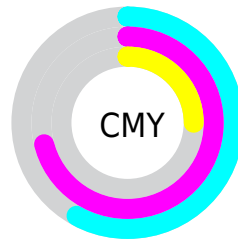


Cyan (44%)

Magenta (61%)

Yellow (0%)

Black (25%)



Cyan (58%)


Magenta (71%)


Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 69.828, 305.715 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 41, 69.828, 305.715 by changing the saturation by 10% instead.


 41, 69.828,
305.715


 41, 69.828,
305.715


 100, 69.828,
305.715


 31, 69.828,
305.715

 61, 69.828,
305.715


 21, 69.828,
305.715

 71, 69.828,
305.715


 11, 69.828,
305.715


 81, 69.828,
305.715

 1, 69.828, 305.715

 91, 69.828,
305.715

 0, 69.828, 305.715

 41, 69.828,

 41, 69.828,

305.715

36, 81.502,
306.688

31, 91.960,
307.471

28, 100.055,
307.876

25, 105.093,
307.907

305.715

47, 57.737,
304.692

53, 45.682,
303.702

59, 33.890,
302.788

65, 22.456,
301.967

71, 11.415,
301.240

77, 0.767, 300.563

83, 9.502, 120.063

89, 19.409,
119.585

■ 95, 28.977,
119.174

Harmonies

Complementary

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



41, 69.828, 305.715



73, 60.276, 117.178

Rectangle

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



41, 69.828, 305.715



41, 69.828, 355.715



41, 69.828, 125.715



41, 69.828, 175.715

Sweetspot

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



41, 69.828, 305.716



84, 23.952, 301.781



62, 28.782, 235.262



43, 16.869, 302.006



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



41, 69.828, 305.716



45, 103.550, 306.987



48, 70.742, 320.174



37, 5.957, 301.147



20, 91.210, 308.027



1, 17.624, 298.043

Inverse Universe

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



50, 60.651, 337.637



60, 84.425, 339.017



70, 68.908, 134.414



37, 5.864, 333.577



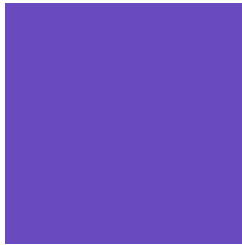
35, 66.127, 342.324



3, 16.549, 337.930

Previews

White Background



This preview shows how the CIELCh color 41, 69.828, 305.715 looks on a white background.

Color Contrast Check

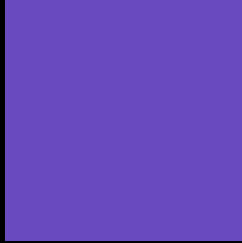
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 41, 69.828, 305.715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

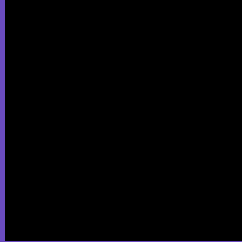
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 69.828, 305.715

Background



This preview shows how black text looks on a background with the CIELCh color 41, 69.828, 305.715.



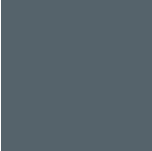
This preview shows how white text looks on a background with the CIELCh color 41, 69.828, 305.715.

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
41, 7.179, 241.648

Trichromacy



Original Color
41, 69.828, 305.715

Protanomaly
40, 66.101, 291.647

Deuteranomaly
40, 55.006, 286.881

Tritanomaly
40, 29.294, 296.429

Monochromacy



Original Color
41, 69.828, 305.715

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 25.949, 302.621

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 69.828, 305.715 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(106, 75, 191)` looks like.

```
.text, #text, p{  
    color:rgb(106, 75, 191)  
}
```

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(106, 75, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 75, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 69.828, 305.715 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(106, 75, 191) }
```

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

```
.border{ border-color:rgb(106, 75, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 75, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 75, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 75, 191); box-shadow:4px 4px 4px 4px rgb(106, 75, 191) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 69.828, 305.715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 75, 191) }
```

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

```
.background{ background-color: rgb(106, 75,  
191) }
```

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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