

Converting Colors

CIELCh(41, 64.128, 309.045)

Have a look what the booklet for
CIELCh(41, 64.128, 309.045)
contains.

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Color

CIELCh(41, 63.901, 309.105)

Conversions

Conversions Part 1

Format	Color
Hex	744AB3
RGB	116, 74, 179
RGB Percent	45%, 29%, 70%
CMY	0.5451, 0.7098, 0.2980
CMYK	0.35, 0.59, 0.00, 0.30
HSL	264°, 42%, 50%
HSV	264°, 59%, 70%
XYZ	17.7870, 11.8645, 43.9991
YIQ	98.5280, -8.6730, 41.5590

Conversions

Conversions Part 2

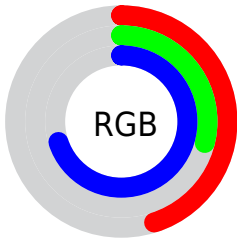
Format	Color
R_{YB}	116, 74, 179
Decimal	7621299
CIE _{Lab}	41.00, 40.31, -49.59
CIE _{LCh}	41, 63.901, 309.105
Yxy	11.8645, 0.2415, 0.1611
Android (android.graphics.Color)	4285811379 (0xFF744AB3)
YUV	98.5280, 39.6727, 15.3229
Hunter-Lab	34.4449, 31.8969, -51.6242

Details

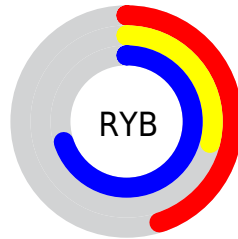
The CIELCh color $41, 63.901, 309.105$ is a dark color, and the websafe version is hex 663399 . A complement of this color would be $68, 57.171, 122.758$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 63.904, 309.110$, and $21, 63.693, 309.210$ is the 20% darker color. If you saturate the color by 10%, you get $36, 74.614, 309.698$, and if you desaturate by 10%, it is $46, 52.708, 308.433$.

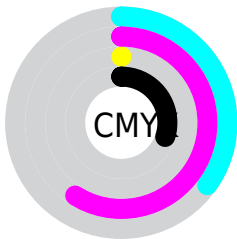
Distribution



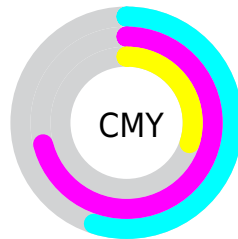
- Red (45%)
- Green (29%)
- Blue (70%)



- Red (45%)
- Yellow (29%)
- Blue (70%)



- Cyan (35%)
- Magenta (59%)
- Yellow (0%)
- Black (30%)





- Cyan (55%)
- Magenta (71%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 63.901, 309.105 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, 63.901, 309.105 by changing the saturation by 10% instead.


 41, 63.901,
309.105


 41, 63.901,
309.105


 100, 63.901,
309.105


 31, 63.901,
309.105

 61, 63.901,
309.105


 21, 63.901,
309.105

 71, 63.901,
309.105


 11, 63.901,
309.105

 81, 63.901,
309.105

 1, 63.901, 309.105

 91, 63.901,
309.105

 0, 63.901, 309.105

 41, 63.901,

 41, 63.901,

309.105

■ 36, 74.614,
309.698

■ 32, 84.213,
310.108

■ 28, 91.844,
310.200

■ 26, 97.025,
309.920

■ 26, 97.686,
309.891

309.105

■ 46, 52.708,
308.433

■ 52, 41.434,
307.749

■ 57, 30.304,
307.091

■ 63, 19.435,
306.480

■ 68, 8.880, 305.923

■ 74, 1.342, 125.497

■ 79, 11.230,
125.011

■ 85, 20.794,
124.627

■ 90, 30.049,
124.294

Harmonies

Complementary

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



41, 63.901, 309.105



68, 57.171, 122.758

Rectangle

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



41, 63.901, 309.105



41, 63.901, 359.105



41, 63.901, 129.105



41, 63.901, 179.105

Sweetspot

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



41, 63.900, 309.105



80, 23.140, 306.459



55, 29.217, 254.846



41, 16.282, 306.630



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



41, 63.900, 309.105



46, 93.718, 309.824



48, 66.049, 324.271



35, 5.800, 305.958



21, 86.881, 310.023



1, 13.651, 302.133

Inverse Universe

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



47, 51.588, 344.256



56, 72.308, 346.152



65, 65.858, 137.577



35, 5.095, 339.287



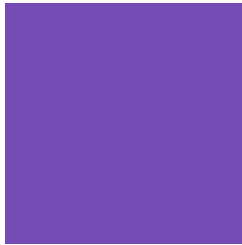
33, 59.840, 352.401



2, 11.303, 344.270

Previews

White Background



This preview shows how the CIELCh color 41, 63.901, 309.105 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 CIELCh color 41, 63.901, 309.105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

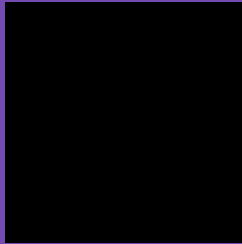
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 41, 63.901, 309.105

Background



This preview shows how black text looks on a background with the CIELCh color 41, 63.901, 309.105.



This preview shows how white text looks on a background with the CIELCh color 41, 63.901, 309.105.

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


41, 63.901, 309.105

Protanopia

41, 64.255, 287.349

Deuteranopia

41, 47.266, 277.953



Tritanopia
41, 4.748, 316.428

Trichromacy



Original Color
41, 63.901, 309.105

Protanomaly
40, 64.350, 291.460

Deuteranomaly
40, 53.024, 288.838

Tritanomaly
40, 27.213, 308.707

Monochromacy



Original Color
41, 63.901, 309.105

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 23.858, 306.926

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 63.901, 309.105 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(116, 74, 179)` looks like.

```
.text, #text, p{  
    color:rgb(116, 74, 179)  
}
```

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(116, 74, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 74, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 63.901, 309.105 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(116, 74, 179) }
```

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

```
.border{ border-color:rgb(116, 74, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 74, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 74, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 74, 179);  
box-shadow:4px 4px 4px 4px rgb(116, 74,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 63.901, 309.105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 74, 179) }
```

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

```
.background{ background-color: rgb(116, 74,  
179) }
```

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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