

Converting Colors

CIELCh(39, 41.684, 306.568)

Have a look what the booklet for
CIELCh(39, 41.684, 306.568)
contains.

CIELCh(39, 41.721, 306.412)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(39, 41.721, 306.412)

Conversions

Conversions Part 1

Format	Color
Hex	675093
RGB	103, 80, 147
RGB Percent	40%, 31%, 58%
CMY	0.5973, 0.6874, 0.4247
CMYK	0.30, 0.46, 0.00, 0.42
HSL	261°, 30%, 44%
HSV	261°, 46%, 58%
XYZ	13.6492, 10.6589, 28.8137
YIQ	94.5150, -7.7990, 25.7130

Conversions

Conversions Part 2

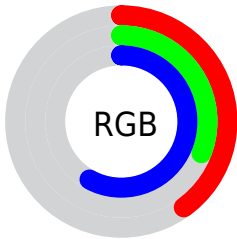
Format	Color
R _Y B	103, 80, 147
Decimal	6770835
CIE Lab	39.00, 24.77, -33.58
CIE LCh	39, 41.721, 306.412
Yxy	10.6589, 0.2569, 0.2007
Android (android.graphics.Color)	4284960915 (0xFF675093)
YUV	94.5150, 25.8751, 7.4413
Hunter-Lab	32.6480, 17.4915, -29.4731

Details

The CIELCh color $[39, 41.721, 306.412]$ is a dark color, and the websafe version is hex `666699`. A complement of this color would be $[58, 38.147, 121.025]$, and the grayscale version is $[40, 0.006, 296.813]$.

A 20% lighter version of the original color is $[59, 41.294, 306.437]$, and $[19, 41.541, 306.319]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 51.374, 307.207]$, and if you desaturate by 10%, it is $[44, 32.143, 305.644]$.

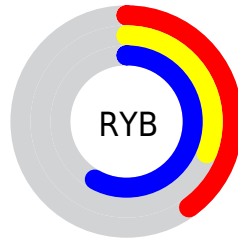
Distribution



Red (40%)

Green (31%)

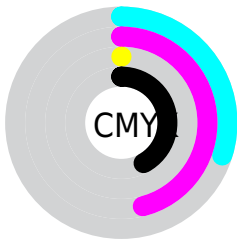
Blue (58%)



Red (40%)

Yellow (31%)

Blue (58%)

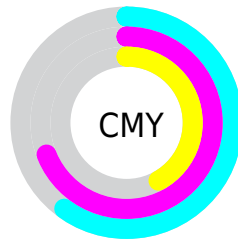


Cyan (30%)

Magenta (46%)

Yellow (0%)

Black (42%)



Cyan (60%)

Magenta (69%)


Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 41.721, 306.412 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 39, 41.721, 306.412 by changing the saturation by 10% instead.


 39, 41.721,
306.412

 39, 41.721,
306.412

 100, 41.721,
306.412


 29, 41.721,
306.412

 59, 41.721,
306.412


 19, 41.721,
306.412

 69, 41.721,
306.412

 9, 41.721, 306.412

 79, 41.721,
306.412

 0, 41.721, 306.412

 89, 41.721,
306.412

 99, 41.721,
306.412

■ 39, 41.721,
306.412

■ 39, 41.721,
306.412

■ 34, 51.374,
307.207

■ 44, 32.143,
305.644

■ 30, 60.855,
307.975

■ 48, 22.774,
304.929

■ 26, 69.721,
308.628

■ 53, 13.672,
304.281

■ 23, 77.300,
309.034

■ 58, 4.859, 303.698

■ 63, 3.661, 123.213

■ 20, 82.882,
309.069

■ 68, 11.897,
122.758

■ 19, 85.144,
309.112

■ 72, 19.860,
122.368

■ 77, 27.566,
122.030

■ 82, 35.027,
121.739

Harmonies

Complementary

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



39, 41.721, 306.412



58, 38.147, 121.025

Rectangle

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



39, 41.721, 306.412



39, 41.721, 356.412



39, 41.721, 126.412



39, 41.721, 176.412

Sweetspot

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



39, 41.720, 306.412



69, 15.148, 304.198



50, 19.128, 241.767



35, 10.574, 304.319



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



39, 41.720, 306.412



45, 63.056, 307.246



43, 44.315, 321.756



29, 4.916, 303.899



18, 81.256, 309.170



0, 4.239, 303.410

Inverse Universe

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



43, 36.394, 339.703



52, 53.336, 340.774



56, 43.700, 137.135



29, 4.538, 336.683



30, 57.146, 347.550



1, 3.938, 336.080

Previews

White Background



This preview shows how the CIELCh color 39, 41.721, 306.412 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 39, 41.721, 306.412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

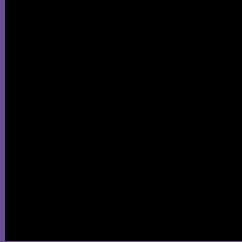
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 41.721, 306.412

Background



This preview shows how black text looks on a background with the CIELCh color 39, 41.721, 306.412.



This preview shows how white text looks on a background with the CIELCh color 39, 41.721, 306.412.

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


39, 41.721, 306.412

Protanopia

39, 40.528, 285.895

Deuteranopia

39, 32.389, 280.102



Tritanopia
39, 4.381, 301.656

Trichromacy



Original Color
39, 41.721, 306.412

Protanomaly
39, 40.960, 292.851

Deuteranomaly
39, 34.893, 290.239

Tritanomaly
39, 18.279, 304.906

Monochromacy



Original Color
39, 41.721, 306.412

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 15.084, 304.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 41.721, 306.412 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(103, 80, 147)` looks like.

```
.text, #text, p{  
    color:rgb(103, 80, 147)  
}
```

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(103, 80, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 80, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 41.721, 306.412 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(103, 80, 147) }
```

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

```
.border{ border-color:rgb(103, 80, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 80, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 80, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 80, 147);  
box-shadow:4px 4px 4px 4px rgb(103, 80,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 41.721, 306.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 80, 147) }
```

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

```
.background{ background-color: rgb(103, 80,  
147) }
```

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