

Converting Colors

CIELCh(39, 95.988, 305.217)

Have a look what the booklet for
CIELCh(39, 95.988, 305.217)
contains.

CIELCh(39, 96.012, 305.230)	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, 96.012, 305.230)

Conversions

Conversions Part 1

Format	Color
Hex	593CDF
RGB	89, 60, 223
RGB Percent	35%, 24%, 87%
CMY	0.6515, 0.7651, 0.1260
CMYK	0.60, 0.73, 0.00, 0.13
HSL	251°, 72%, 55%
HSV	251°, 73%, 87%
XYZ	19.0197, 10.6589, 70.7819
YIQ	87.2530, -35.0390, 56.8410

Conversions

Conversions Part 2

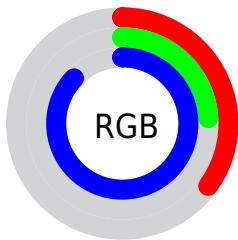
Format	Color
R_{YB}	89, 60, 223
Decimal	5848287
CIE _{Lab}	39.00, 55.39, -78.43
CIE _{LCh}	39, 96.012, 305.230
Yxy	10.6589, 0.1893, 0.1061
Android (android.graphics.Color)	4284038367 (0xFF593CDF)
YUV	87.2530, 66.9233, 1.5321
Hunter-Lab	32.6480, 46.8542, -105.6889

Details

The CIELCh color **39, 96.012, 305.230** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted blue. A complement of this color would be **84, 77.631, 112.736**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 81.881, 305.847**, and **20, 95.026, 305.711** is the 20% darker color. If you saturate the color by 10%, you get **34, 107.630, 306.295**, and if you desaturate by 10%, it is **45, 82.662, 303.923**.

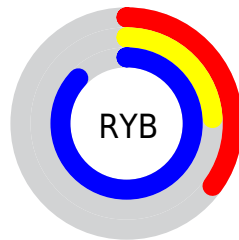
Distribution



Red (35%)

Green (24%)

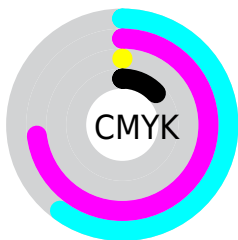
Blue (87%)



Red (35%)

Yellow (24%)

Blue (87%)

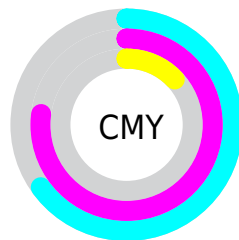


Cyan (60%)

Magenta (73%)

Yellow (0%)

Black (13%)



Cyan (65%)


Magenta (77%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 96.012, 305.230 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, 96.012, 305.230 by changing the saturation by 10% instead.


 39, 96.012,
305.230


 39, 96.012,
305.230

 100, 96.012,
305.230


 29, 96.012,
305.230

 59, 96.012,
305.230


 19, 96.012,
305.230


 69, 96.012,
305.230

 9, 96.012, 305.230

 79, 96.012,
305.230

 0, 96.012, 305.230

 89, 96.012,
305.230

 99, 96.012,
305.230

39, 96.012,
305.230

39, 96.012,
305.230

34, 107.630,
306.295

45, 82.662,
303.923

30, 115.915,
306.873

52, 68.740,
302.564

29, 119.503,
307.007

58, 54.879,
301.268


65, 41.370,
300.090

72, 28.325,
299.048

80, 15.768,
298.140

87, 3.692, 297.355

94, 7.929, 116.682

 99, 16.258,
110.492

Harmonies

Complementary

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



39, 96.012, 305.230



84, 77.631, 112.736

Rectangle

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



39, 96.012, 305.230



39, 96.012, 355.230



39, 96.012, 125.230



39, 96.012, 175.230

Sweetspot

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



39, 96.013, 305.231



83, 29.997, 298.955



73, 36.196, 221.489



42, 20.264, 299.223



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



39, 96.013, 305.231



37, 124.800, 306.689



48, 92.937, 317.253



43, 6.811, 297.838



22, 100.012, 307.102



2, 31.957, 300.116

Inverse Universe

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



55, 82.609, 334.656



59, 99.055, 335.910



80, 88.034, 131.430



44, 7.210, 330.313



40, 76.215, 336.795



7, 31.855, 335.156

Previews

White Background



This preview shows how the CIELCh color 39, 96.012, 305.230 looks on a white background.

Color Contrast Check

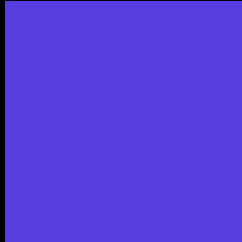
Large Text (above 18pt) WCAG AA ✓ Pass

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 39, 96.012, 305.230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

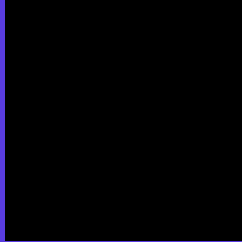
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 96.012, 305.230

Background



This preview shows how black text looks on a background with the CIELCh color 39, 96.012, 305.230.



This preview shows how white text looks on a background with the CIELCh color 39, 96.012, 305.230.

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, 96.012, 305.230

Protanopia

39, 60.124, 286.620

Deuteranopia

39, 41.744, 272.921



Tritanopia
39, 20.686, 210.958

Trichromacy



Original Color
39, 96.012, 305.230

Protanomaly
38, 73.675, 294.508

Deuteranomaly
37, 61.395, 290.340

Tritanomaly
37, 40.445, 284.570

Monochromacy



Original Color
39, 96.012, 305.230

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 36.831, 301.368

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 96.012, 305.230 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(89, 60, 223)` looks like.

```
.text, #text, p{  
    color:rgb(89, 60, 223)  
}
```

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(89, 60, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 60, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 96.012, 305.230 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(89, 60, 223) }
```

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

```
.border{ border-color:rgb(89, 60, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 60, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 60, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 60, 223);  
box-shadow:4px 4px 4px 4px rgb(89, 60,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 96.012, 305.230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 60, 223) }
```

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

```
.background{ background-color: rgb(89, 60,  
223) }
```

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