

Converting Colors

CIELCh(39, 32.384, 297.051)

Have a look what the booklet for
CIELCh(39, 32.384, 297.051)
contains.

CIELCh(39, 32.532, 297.309)	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, 32.532, 297.309)

Conversions

Conversions Part 1

Format	Color
Hex	5A568B
RGB	90, 86, 139
RGB Percent	35%, 34%, 55%
CMY	0.6476, 0.6633, 0.4555
CMYK	0.35, 0.38, 0.00, 0.46
HSL	245°, 24%, 44%
HSV	245°, 38%, 54%
XYZ	12.1675, 10.6589, 25.7831
YIQ	93.2380, -14.6290, 17.3310

Conversions

Conversions Part 2

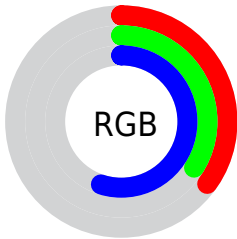
Format	Color
R_{YB}	90, 86, 139
Decimal	5920395
CIE _{Lab}	39.00, 14.93, -28.91
CIE _{LCh}	39, 32.532, 297.309
Yxy	10.6589, 0.2503, 0.2193
Android (android.graphics.Color)	4284110475 (0xFF5A568B)
YUV	93.2380, 22.5607, -2.8397
Hunter-Lab	32.6480, 9.3904, -23.9693

Details

The CIELCh color $39, 32.532, 297.309$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $56, 29.654, 110.008$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $59, 32.453, 297.247$, and $19, 32.737, 297.414$ is the 20% darker color. If you saturate the color by 10%, you get $34, 41.871, 298.820$, and if you desaturate by 10%, it is $44, 23.528, 295.982$.

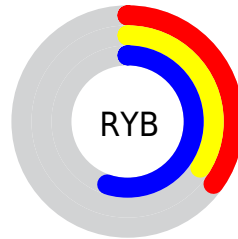
Distribution



Red (35%)

Green (34%)

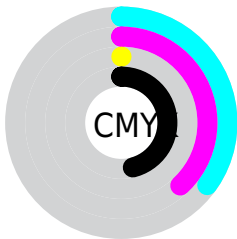
Blue (55%)



Red (35%)

Yellow (34%)

Blue (55%)

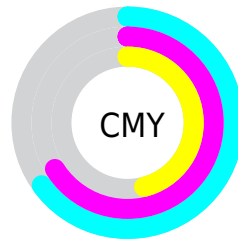


Cyan (35%)

Magenta (38%)

Yellow (0%)

Black (46%)



Cyan (65%)


Magenta (66%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 32.532, 297.309 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, 32.532, 297.309 by changing the saturation by 10% instead.


 39, 32.532,
297.309


 39, 32.532,
297.309

 100, 32.532,
297.309


 29, 32.532,
297.309

 59, 32.532,
297.309


 19, 32.532,
297.309


 69, 32.532,
297.309

 9, 32.532, 297.309

 79, 32.532,
297.309

 0, 32.532, 297.309

 89, 32.532,
297.309

 99, 32.532,
297.309

■ 39, 32.532,
297.309

■ 39, 32.532,
297.309

■ 34, 41.871,
298.820

■ 44, 23.528,
295.982

■ 29, 51.470,
300.492

■ 49, 14.874,
294.833

■ 25, 61.101,
302.255

■ 54, 6.558, 293.847

■ 21, 70.251,
303.958

■ 59, 1.441, 112.976

■ 64, 9.145, 112.265

■ 18, 77.985,
305.361

■ 68, 16.574,
111.642

■ 15, 83.667,
306.378

■ 73, 23.747,
111.106

■ 15, 84.708,
306.601

■ 78, 30.681,
110.642

■ 83, 37.391,
110.242

Harmonies

Complementary

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



39, 32.532, 297.309



56, 29.654, 110.008

Rectangle

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



39, 32.532, 297.309



39, 32.532, 347.309



39, 32.532, 117.309



39, 32.532, 167.309

Sweetspot

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



39, 32.531, 297.309



67, 11.041, 294.134



53, 17.210, 204.638



34, 7.493, 294.247



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



39, 32.531, 297.309



46, 49.557, 298.636



42, 33.899, 313.060



26, 4.512, 293.937



14, 81.905, 306.618



0, 2.061, 293.140

Inverse Universe

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



44, 35.137, 328.640



54, 51.989, 329.113



54, 32.434, 129.656



27, 5.168, 327.015



30, 67.142, 331.382



0, 2.385, 326.535

Previews

White Background



This preview shows how the CIELCh color 39, 32.532, 297.309 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, 32.532, 297.309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

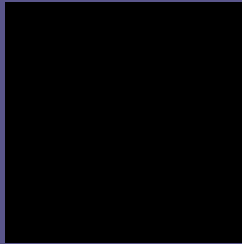
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 32.532, 297.309

Background



This preview shows how black text looks on a background with the CIELCh color 39, 32.532, 297.309.

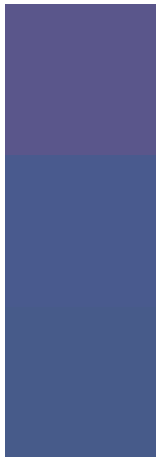


This preview shows how white text looks on a background with the CIELCh color 39, 32.532, 297.309.

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

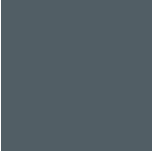
39, 32.532, 297.309

Protanopia

39, 32.000, 285.441

Deuteranopia

39, 29.139, 282.023



Tritanopia
39, 6.576, 239.760

Trichromacy



Original Color
39, 32.532, 297.309

Protanomaly
39, 32.479, 289.960

Deuteranomaly
39, 30.076, 287.898

Tritanomaly
39, 14.859, 282.370

Monochromacy



Original Color
39, 32.532, 297.309

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 12.305, 295.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 32.532, 297.309 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(90, 86, 139)` looks like.

```
.text, #text, p{  
    color:rgb(90, 86, 139)  
}
```

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(90, 86, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 86, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 32.532, 297.309 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(90, 86, 139) }
```

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

```
.border{ border-color:rgb(90, 86, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 86, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 86, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 86, 139);  
box-shadow:4px 4px 4px 4px rgb(90, 86,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 32.532, 297.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 86, 139) }
```

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

```
.background{ background-color: rgb(90, 86,  
139) }
```

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