

Converting Colors

CIELCh(39, 31.245, 279.213)

Have a look what the booklet for
CIELCh(39, 31.245, 279.213)
contains.

CIELCh(39, 31.245, 279.213)	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, 31.245, 279.213)

Conversions

Conversions Part 1

Format	Color
Hex	405C8E
RGB	64, 92, 142
RGB Percent	25%, 36%, 56%
CMY	0.7497, 0.6398, 0.4438
CMYK	0.55, 0.35, 0.00, 0.44
HSL	218°, 38%, 40%
HSV	218°, 55%, 56%
XYZ	10.7860, 10.6589, 27.0122
YIQ	89.3280, -32.7380, 9.6140

Conversions

Conversions Part 2

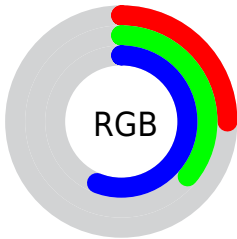
Format	Color
R _{YB}	64, 85, 142
Decimal	4217998
CIE Lab	39.00, 5.00, -30.84
CIE LCh	39, 31.245, 279.213
Yxy	10.6589, 0.2226, 0.2200
Android (android.graphics.Color)	4282408078 (0xFF405C8E)
YUV	89.3280, 25.9673, -22.2127
Hunter-Lab	32.6480, 1.8372, -26.2015

Details

The CIELCh color **39, 31.245, 279.213** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **50, 31.954, 81.821**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 31.224, 279.134**, and **19, 30.792, 278.793** is the 20% darker color. If you saturate the color by 10%, you get **36, 37.212, 282.115**, and if you desaturate by 10%, it is **43, 25.390, 276.681**.

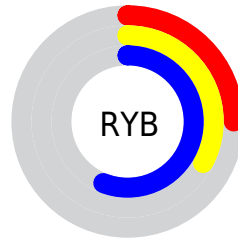
Distribution



Red (25%)

Green (36%)

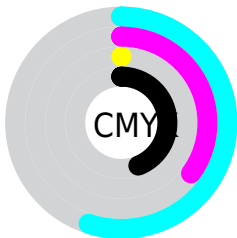
Blue (56%)



Red (25%)

Yellow (33%)

Blue (56%)

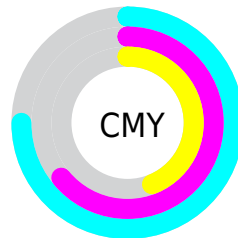


Cyan (55%)

Magenta (35%)

Yellow (0%)

Black (44%)



Cyan (75%)


Magenta (64%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 31.245, 279.213 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, 31.245, 279.213 by changing the saturation by 10% instead.


 39, 31.245,
279.213


 39, 31.245,
279.213

 100, 31.245,
279.213


 29, 31.245,
279.213

 59, 31.245,
279.213


 19, 31.245,
279.213


 69, 31.245,
279.213

 9, 31.245, 279.213

 79, 31.245,
279.213

 0, 31.245, 279.213

 89, 31.245,
279.213

 99, 31.245,
279.213

■ 39, 31.245,
279.213

■ 39, 31.245,
279.213

■ 36, 37.212,
282.115

■ 43, 25.390,
276.681

■ 32, 43.322,
285.372

■ 46, 19.625,
274.497

■ 29, 49.593,
288.911

■ 50, 13.934,
272.626

■ 26, 55.998,
292.573

■ 53, 8.312, 271.027

■ 25, 59.243,
294.254

■ 57, 2.757, 269.692

■ 61, 2.730, 88.351

■ 64, 8.144, 87.363

■ 68, 13.483, 86.466

■ 72, 18.745, 85.673

Harmonies

Complementary

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



39, 31.245, 279.213



50, 31.954, 81.821

Rectangle

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



39, 31.245, 279.213



39, 31.245, 329.213



39, 31.245, 99.213



39, 31.245, 149.213

Sweetspot

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



39, 31.244, 279.214



67, 10.955, 271.226



54, 32.254, 165.562



34, 7.378, 271.498



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, 31.244, 279.214



45, 46.741, 282.861



32, 49.247, 301.419



28, 3.137, 270.213



23, 56.931, 294.076



1, 2.109, 269.007

Inverse Universe

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



38, 36.194, 359.069



45, 52.415, 1.927



57, 42.647, 111.449



28, 3.618, 352.759



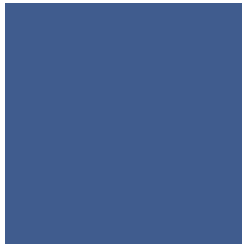
28, 53.196, 14.052



1, 2.406, 351.988

Previews

White Background



This preview shows how the CIE LCh color 39, 31.245, 279.213 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, 31.245, 279.213 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

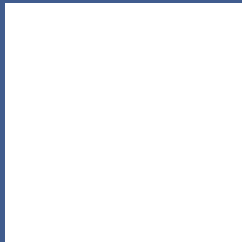
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 39, 31.245, 279.213

Background



This preview shows how black text looks on a background with the CIELCh color 39, 31.245, 279.213.



This preview shows how white text looks on a background with the CIELCh color 39, 31.245, 279.213.

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, 31.245, 279.213

Protanopia

39, 30.781, 285.338

Deuteranopia

39, 31.711, 281.125



Tritanopia
39, 16.846, 214.620

Trichromacy



Original Color
39, 31.245, 279.213

Protanomaly
39, 30.938, 282.667

Deuteranomaly
39, 31.762, 280.664

Tritanomaly
39, 19.083, 249.295

Monochromacy



Original Color
39, 31.245, 279.213

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 11.586, 272.832

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 31.245, 279.213 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(64, 92, 142)` looks like.

```
.text, #text, p{  
    color:rgb(64, 92, 142)  
}
```

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(64, 92, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 92, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 31.245, 279.213 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(64, 92, 142) }
```

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

```
.border{ border-color:rgb(64, 92, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 92, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 92, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 92, 142);  
box-shadow:4px 4px 4px 4px rgb(64, 92,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 31.245, 279.213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 92, 142) }
```

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

```
.background{ background-color: rgb(64, 92,  
142) }
```

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