

Converting Colors

CIELCh(39, 47.851, 278.381)

Have a look what the booklet for
CIELCh(39, 47.851, 278.381)
contains.

CIELCh(39, 47.629, 278.326)	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, 47.629, 278.326)

Conversions

Conversions Part 1

Format	Color
Hex	005DA9
RGB	0, 93, 169
RGB Percent	0%, 36%, 66%
CMY	1.0000, 0.6358, 0.3379
CMYK	1.00, 0.45, 0.00, 0.34
HSL	207°, 100%, 33%
HSV	207°, 100%, 66%
XYZ	11.0412, 10.6589, 38.9330
YIQ	73.8570, -79.8240, 3.9200

Conversions

Conversions Part 2

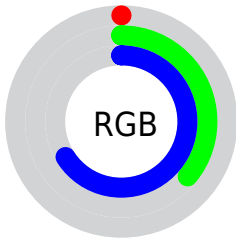
Format	Color
R _Y B	0, 60, 169
Decimal	23977
CIE Lab	39.00, 6.90, -47.13
CIE LCh	39, 47.629, 278.326
Yxy	10.6589, 0.1821, 0.1758
Android (android.graphics.Color)	4278214057 (0xFF005DA9)
YUV	73.8570, 46.9055, -64.7726
Hunter-Lab	32.6480, 3.2326, -47.8502

Details

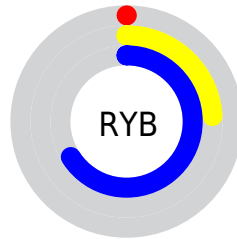
The CIELCh color $[39, 47.629, 278.326]$ is a dark color, and the websafe version is hex `0066CC`. A complement of this color would be $[44, 63.918, 56.936]$, and the grayscale version is $[31, 0.005, 296.813]$.

A 20% lighter version of the original color is $[59, 47.560, 278.282]$, and $[21, 45.612, 289.626]$ is the 20% darker color. If you saturate the color by 10%, you get $[39, 47.622, 278.359]$, and if you desaturate by 10%, it is $[41, 43.206, 273.753]$.

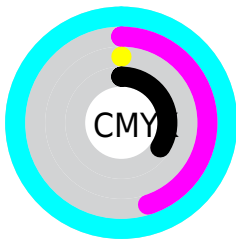
Distribution



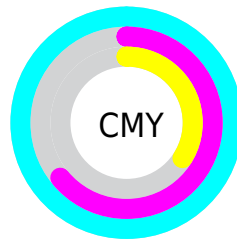
- Red (0%)
- Green (36%)
- Blue (66%)



- Red (0%)
- Yellow (24%)
- Blue (66%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (34%)





- Cyan (100%)
- Magenta (64%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 47.629, 278.326 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, 47.629, 278.326 by changing the saturation by 10% instead.


 39, 47.629,
278.326


 39, 47.629,
278.326

 100, 47.629,
278.326


 29, 47.629,
278.326

 59, 47.629,
278.326


 19, 47.629,
278.326

 69, 47.629,
278.326

 9, 47.629, 278.326

 79, 47.629,
278.326

 0, 47.629, 278.326

 89, 47.629,
278.326

 99, 47.629,
278.326

■ 39, 47.629,
278.326

■ 39, 47.629,
278.326

■ 39, 47.622,
278.359

■ 41, 43.206,
273.753

■ 44, 38.906,
269.281

■ 47, 34.579,
265.265

■ 50, 30.139,
261.774

■ 53, 25.531,
258.804

■ 56, 20.737,
256.312

■ 59, 15.763,
254.236

■ 63, 10.631,

252.512

■ 66, 5.368, 251.096

Harmonies

Complementary

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



39, 47.629, 278.326



44, 63.918, 56.936

Rectangle

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



39, 47.629, 278.326



39, 47.629, 328.326



39, 47.629, 98.326



39, 47.629, 148.326

Sweetspot

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



39, 47.622, 278.359



75, 19.487, 254.338



61, 68.482, 146.933



38, 13.206, 255.137



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



39, 47.622, 278.359



50, 58.832, 279.293



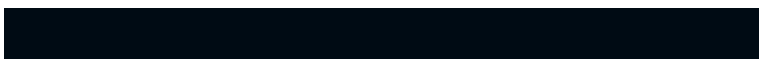
20, 95.904, 305.618



34, 3.032, 251.007



34, 42.784, 277.788



3, 5.875, 258.083

Inverse Universe

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



36, 63.028, 357.066



48, 76.405, 357.800



65, 68.626, 99.609



33, 4.686, 341.735



32, 57.274, 356.630



2, 8.038, 345.015

Previews

White Background



This preview shows how the CIE LCh color 39, 47.629, 278.326 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, 47.629, 278.326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

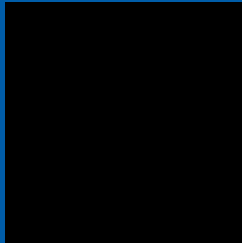
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 47.629, 278.326

Background



This preview shows how black text looks on a background with the CIELCh color 39, 47.629, 278.326.



This preview shows how white text looks on a background with the CIELCh color 39, 47.629, 278.326.

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, 47.629, 278.326

Protanopia

39, 46.646, 286.480

Deuteranopia

39, 44.910, 275.876



Tritanopia
39, 24.755, 206.716

Trichromacy



Original Color
39, 47.629, 278.326

Protanomaly
39, 47.150, 282.319

Deuteranomaly
39, 45.445, 276.329

Tritanomaly
39, 27.545, 243.611

Monochromacy



Original Color
39, 47.629, 278.326

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 19.701, 259.046

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 47.629, 278.326 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(0, 93, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 93, 169)  
}
```

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(0, 93, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 93, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 47.629, 278.326 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(0, 93, 169) }
```

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

```
.border{ border-color:rgb(0, 93, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 93, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 93, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 93, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 93, 169)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 47.629, 278.326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 93, 169) }
```

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

```
.background{ background-color: rgb(0, 93,  
169) }
```

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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