

Converting Colors

CIELCh(39, 46.196, 282.299)

Have a look what the booklet for
CIELCh(39, 46.196, 282.299)
contains.

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Color

CIELCh(39, 46.418, 282.467)

Conversions

Conversions Part 1

Format	Color
Hex	285BA6
RGB	40, 91, 166
RGB Percent	16%, 36%, 65%
CMY	0.8438, 0.6436, 0.3495
CMYK	0.76, 0.45, 0.00, 0.35
HSL	216°, 61%, 40%
HSV	216°, 76%, 65%
XYZ	11.4707, 10.6589, 37.4679
YIQ	84.3010, -54.4710, 12.5130

Conversions

Conversions Part 2

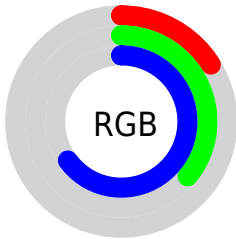
Format	Color
R_{YB}	40, 76, 166
Decimal	2644902
CIE _{Lab}	39.00, 10.02, -45.32
CIE _{LCh}	39, 46.418, 282.467
Yxy	10.6589, 0.1925, 0.1788
Android (android.graphics.Color)	4280834982 (0xFF285BA6)
YUV	84.3010, 40.2776, -38.8520
Hunter-Lab	32.6480, 5.5811, -45.1894




Details

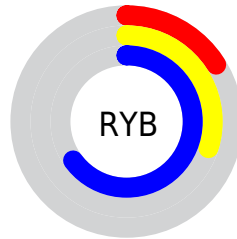
The CIELCh color **39, 46.418, 282.467** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **52, 49.154, 74.392**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 46.411, 282.316**, and **21, 45.175, 290.006** is the 20% darker color. If you saturate the color by 10%, you get **36, 52.883, 286.282**, and if you desaturate by 10%, it is **43, 40.105, 278.969**.

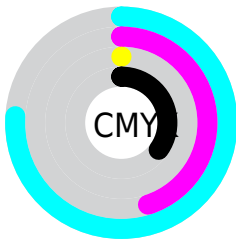
Distribution







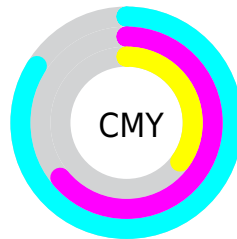
-  Red (16%)
-  Green (36%)
-  Blue (65%)






-  Red (16%)
-  Yellow (30%)
-  Blue (65%)



-  Cyan (76%)
-  Magenta (45%)
-  Yellow (0%)
-  Black (35%)





-  Cyan (84%)
-  Magenta (64%)
-  Yellow (35%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 46.418, 282.467 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, 46.418, 282.467 by changing the saturation by 10% instead.


 39, 46.418,
282.467

 39, 46.418,
282.467

 100, 46.418,
282.467


 29, 46.418,
282.467

 59, 46.418,
282.467

 19, 46.418,
282.467


 69, 46.418,
282.467

 9, 46.418, 282.467

 79, 46.418,
282.467

 0, 46.418, 282.467

 89, 46.418,
282.467

 99, 46.418,
282.467

■ 39, 46.418,
282.467

■ 39, 46.418,
282.467

■ 36, 52.883,
286.282

■ 43, 40.105,
278.969

■ 33, 59.513,
290.237

■ 46, 33.904,
275.861

■ 31, 62.223,
291.715

■ 50, 27.773,
273.160

■ 54, 21.683,
270.842

■ 58, 15.622,
268.865

■ 62, 9.587, 267.186

■ 66, 3.584, 265.785

■ 70, 2.379, 84.365

Harmonies

Complementary

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



39, 46.418, 282.467



52, 49.154, 74.392

Rectangle

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



39, 46.418, 282.467



39, 46.418, 332.467



39, 46.418, 102.467



39, 46.418, 152.467

Sweetspot

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



39, 46.418, 282.468



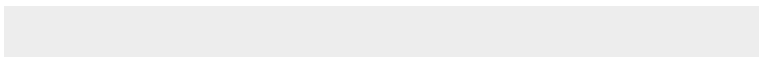
75, 17.177, 268.409



61, 49.435, 158.912



38, 11.994, 269.037



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, 46.418, 282.468



44, 69.949, 288.940



27, 78.968, 303.906



34, 3.428, 266.214



28, 56.624, 291.309



2, 6.606, 269.885

Inverse Universe

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



38, 54.140, 1.094



47, 72.945, 7.391



65, 62.377, 107.981



33, 4.262, 349.873



31, 56.371, 10.176



2, 7.409, 352.674

Previews

White Background



This preview shows how the CIE LCh color 39, 46.418, 282.467 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, 46.418, 282.467 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, 46.418, 282.467

Background



This preview shows how black text looks on a background with the CIELCh color 39, 46.418, 282.467.



This preview shows how white text looks on a background with the CIELCh color 39, 46.418, 282.467.

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, 46.418, 282.467

Protanopia

39, 46.039, 286.457

Deuteranopia

39, 45.466, 276.627



Tritanopia
39, 24.755, 206.716

Trichromacy



Original Color
39, 46.418, 282.467

Protanomaly
39, 46.170, 284.739

Deuteranomaly
39, 45.850, 278.223

Tritanomaly
39, 26.817, 245.409

Monochromacy



Original Color
39, 46.418, 282.467

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 17.720, 270.769

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 46.418, 282.467 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(40, 91, 166)` looks like.

```
.text, #text, p{  
    color:rgb(40, 91, 166)  
}
```

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(40, 91, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 91, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 46.418, 282.467 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(40, 91, 166) }
```

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

```
.border{ border-color:rgb(40, 91, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 91, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 91, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 91, 166);  
box-shadow:4px 4px 4px 4px rgb(40, 91,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 46.418, 282.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 91, 166) }
```

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

```
.background{ background-color: rgb(40, 91,  
166) }
```

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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