

Converting Colors

CIELCh(39, 46.042, 281.001)

Have a look what the booklet for
CIELCh(39, 46.042, 281.001)
contains.

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Color

CIELCh(39, 45.984, 280.828)

Conversions

Conversions Part 1

Format	Color
Hex	215CA6
RGB	33, 92, 166
RGB Percent	13%, 36%, 65%
CMY	0.8692, 0.6406, 0.3506
CMYK	0.80, 0.45, 0.00, 0.35
HSL	214°, 66%, 39%
HSV	214°, 80%, 65%
XYZ	11.2793, 10.6589, 37.3412
YIQ	82.7950, -58.9180, 10.5060

Conversions

Conversions Part 2

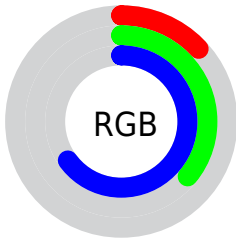
Format	Color
R_{YB}	33, 74, 166
Decimal	2186406
CIE _{Lab}	39.00, 8.64, -45.17
CIE _{LCh}	39, 45.984, 280.828
Yxy	10.6589, 0.1903, 0.1798
Android (android.graphics.Color)	4280376486 (0xFF215CA6)
YUV	82.7950, 41.0201, -43.6702
Hunter-Lab	32.6480, 4.5347, -44.9593

Details

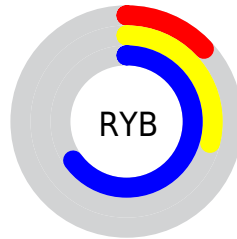
The CIELCh color **39, 45.984, 280.828** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **50, 51.111, 70.485**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 46.046, 280.583**, and **21, 44.460, 289.333** is the 20% darker color. If you saturate the color by 10%, you get **36, 51.945, 284.882**, and if you desaturate by 10%, it is **42, 40.156, 277.082**.

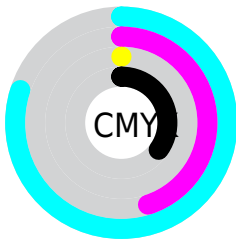
Distribution



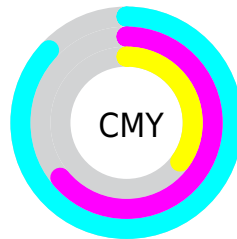
- Red (13%)
- Green (36%)
- Blue (65%)



- Red (13%)
- Yellow (29%)
- Blue (65%)



- Cyan (80%)
- Magenta (45%)
- Yellow (0%)
- Black (35%)





- Cyan (87%)
- Magenta (64%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 45.984, 280.828 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, 45.984, 280.828 by changing the saturation by 10% instead.


 39, 45.984,
280.828


 39, 45.984,
280.828

 100, 45.984,
280.828


 29, 45.984,
280.828

 59, 45.984,
280.828


 19, 45.984,
280.828

 69, 45.984,
280.828

 9, 45.984, 280.828

 79, 45.984,
280.828

 0, 45.984, 280.828

 89, 45.984,
280.828

 99, 45.984,
280.828

■ 39, 45.984,
280.828

■ 39, 45.984,
280.828

■ 36, 51.945,
284.882

■ 42, 40.156,
277.082

■ 33, 58.090,
288.929

■ 46, 34.406,
273.738

■ 33, 58.180,
288.983

■ 49, 28.685,
270.827

■ 53, 22.960,
268.331

■ 57, 17.218,
266.207

■ 60, 11.458,
264.407

■ 64, 5.690, 262.893

■ 68, 0.076, 77.863

Harmonies

Complementary

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



39, 45.984, 280.828



50, 51.111, 70.485

Rectangle

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



39, 45.984, 280.828



39, 45.984, 330.828



39, 45.984, 100.828



39, 45.984, 150.828

Sweetspot

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



39, 45.984, 280.829



75, 17.074, 265.194



60, 52.861, 156.248



38, 11.706, 265.815



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



39, 45.984, 280.829



44, 68.743, 288.169



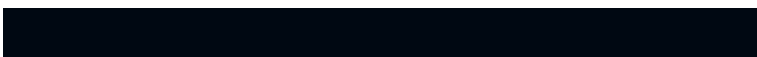
25, 82.854, 304.114



33, 3.227, 262.812



29, 52.275, 288.490



2, 5.222, 265.491

Inverse Universe

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



38, 56.128, 359.458



46, 73.330, 6.382



65, 64.126, 106.120



32, 4.248, 347.719



30, 55.534, 6.687



1, 6.355, 349.456

Previews

White Background



This preview shows how the CIE LCh color 39, 45.984, 280.828 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, 45.984, 280.828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

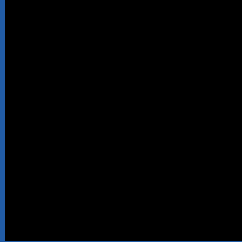
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 45.984, 280.828

Background



This preview shows how black text looks on a background with the CIELCh color 39, 45.984, 280.828.



This preview shows how white text looks on a background with the CIELCh color 39, 45.984, 280.828.

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, 46.010, 280.680

Protanopia

39, 45.431, 286.441

Deuteranopia

39, 45.427, 276.808



Tritanopia
39, 24.755, 206.716

Trichromacy



Original Color
39, 46.010, 280.680

Protanomaly
39, 45.656, 284.013

Deuteranomaly
39, 45.281, 277.495

Tritanomaly
39, 26.916, 245.170

Monochromacy



Original Color
39, 46.010, 280.680

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 17.967, 268.913

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 45.984, 280.828 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(33, 92, 166)` looks like.

```
.text, #text, p{  
    color:rgb(33, 92, 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(33, 92, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 92, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 45.984, 280.828 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(33, 92, 166) }
```

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

```
.border{ border-color:rgb(33, 92, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 92, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 92, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 92, 166);  
box-shadow:4px 4px 4px 4px rgb(33, 92,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 45.984, 280.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 92, 166) }
```

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

```
.background{ background-color: rgb(33, 92,  
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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