

Converting Colors

CIELCh(39, 46.309, 296.052)

Have a look what the booklet for
CIELCh(39, 46.309, 296.052)
contains.

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Color

CIELCh(39, 46.388, 296.108)

Conversions

Conversions Part 1

Format	Color
Hex	5254A0
RGB	82, 84, 160
RGB Percent	32%, 33%, 63%
CMY	0.6787, 0.6708, 0.3728
CMYK	0.49, 0.48, 0.00, 0.37
HSL	238°, 32%, 47%
HSV	238°, 49%, 63%
XYZ	12.9799, 10.6589, 34.6019
YIQ	92.0660, -25.5880, 23.2120

Conversions

Conversions Part 2

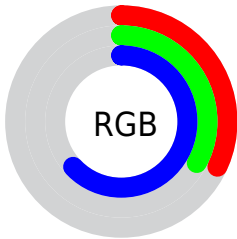
Format	Color
R_{YB}	82, 84, 160
Decimal	5395616
CIE _{Lab}	39.00, 20.41, -41.65
CIE _{LCh}	39, 46.388, 296.108
Yxy	10.6589, 0.2229, 0.1830
Android (android.graphics.Color)	4283585696 (0xFF5254A0)
YUV	92.0660, 33.4915, -8.8279
Hunter-Lab	32.6480, 13.8325, -39.9847

Details

The CIELCh color **39, 46.388, 296.108** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **64, 40.946, 104.460**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **59, 46.529, 296.317**, and **19, 46.715, 296.331** is the 20% darker color. If you saturate the color by 10%, you get **34, 56.992, 298.210**, and if you desaturate by 10%, it is **44, 36.122, 294.236**.

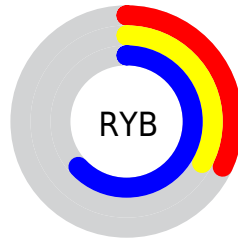
Distribution



Red (32%)

Green (33%)

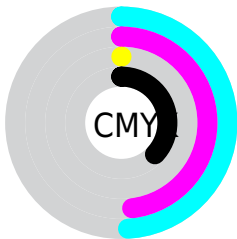
Blue (63%)



Red (32%)

Yellow (33%)

Blue (63%)

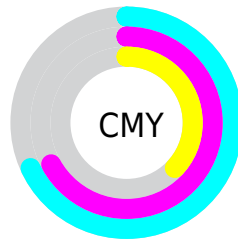


Cyan (49%)

Magenta (48%)

Yellow (0%)

Black (37%)



Cyan (68%)


Magenta (67%)


Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 46.388, 296.108 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, 46.388, 296.108 by changing the saturation by 10% instead.


 39, 46.388,
296.108


 39, 46.388,
296.108

 100, 46.388,
296.108


 29, 46.388,
296.108

 59, 46.388,
296.108


 19, 46.388,
296.108


 69, 46.388,
296.108

 9, 46.388, 296.108

 79, 46.388,
296.108

 0, 46.388, 296.108

 89, 46.388,
296.108

 99, 46.388,
296.108

■ 39, 46.388,
296.108

■ 39, 46.388,
296.108

■ 34, 56.992,
298.210

■ 44, 36.122,
294.236

■ 29, 67.707,
300.458

■ 50, 26.257,
292.612

■ 24, 77.955,
302.669

■ 56, 16.790,
291.221

■ 21, 86.634,
304.551

■ 61, 7.695, 290.040

■ 67, 1.053, 108.963


■ 19, 92.519,
305.793

■ 72, 9.483, 108.155

■ 18, 93.156,
305.919

■ 77, 17.616,
107.420

■ 83, 25.473,
106.787

 88, 33.073,
106.240

Harmonies

Complementary

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



39, 46.388, 296.108



64, 40.946, 104.460

Rectangle

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



39, 46.388, 296.108



39, 46.388, 346.108



39, 46.388, 116.108



39, 46.388, 166.108

Sweetspot

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



39, 46.387, 296.109



74, 16.581, 290.788



61, 25.358, 193.855



37, 11.332, 291.031



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



39, 46.387, 296.109



44, 71.347, 298.513



42, 48.409, 310.460



31, 4.921, 290.092



16, 85.574, 305.866



0, 6.346, 289.194

Inverse Universe

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



44, 35.161, 22.839



53, 54.282, 25.443



62, 44.844, 125.643



31, 3.534, 17.817



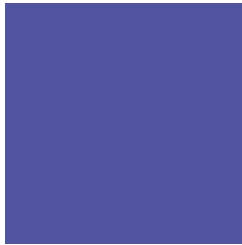
29, 66.213, 38.138



1, 4.478, 17.376

Previews

White Background



This preview shows how the CIE LCh color 39, 46.388, 296.108 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, 46.388, 296.108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

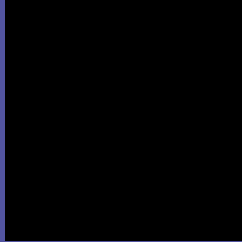
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 46.388, 296.108

Background



This preview shows how black text looks on a background with the CIELCh color 39, 46.388, 296.108.



This preview shows how white text looks on a background with the CIELCh color 39, 46.388, 296.108.

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, 46.388, 296.108

Protanopia

39, 46.646, 286.480

Deuteranopia

39, 40.743, 278.162



Tritanopia
39, 12.504, 221.341

Trichromacy



Original Color
39, 46.388, 296.108

Protanomaly
39, 46.484, 289.734

Deuteranomaly
39, 42.533, 284.394

Tritanomaly
39, 21.117, 273.656

Monochromacy



Original Color
39, 46.388, 296.108

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 17.186, 291.580

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 46.388, 296.108 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(82, 84, 160)` looks like.

```
.text, #text, p{  
    color:rgb(82, 84, 160)  
}
```

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(82, 84, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 84, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 46.388, 296.108 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(82, 84, 160) }
```

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

```
.border{ border-color:rgb(82, 84, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 84, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 84, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 84, 160);  
box-shadow:4px 4px 4px 4px rgb(82, 84,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 46.388, 296.108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 84, 160) }
```

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

```
.background{ background-color: rgb(82, 84,  
160) }
```

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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