

Converting Colors

CIELCh(39, 49.990, 287.740)

Have a look what the booklet for
CIELCh(39, 49.990, 287.740)
contains.

CIELCh(39, 50.218, 287.851)	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, 50.218, 287.851)

Conversions

Conversions Part 1

Format	Color
Hex	3558AA
RGB	53, 88, 170
RGB Percent	21%, 35%, 67%
CMY	0.7917, 0.6546, 0.3330
CMYK	0.69, 0.48, 0.00, 0.33
HSL	222°, 52%, 44%
HSV	222°, 69%, 67%
XYZ	12.2355, 10.6589, 39.4897
YIQ	86.8830, -47.1820, 18.0820

Conversions

Conversions Part 2

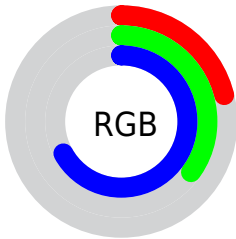
Format	Color
R_{YB}	53, 80, 170
Decimal	3496106
CIE _{Lab}	39.00, 15.39, -47.80
CIE _{LCh}	39, 50.218, 287.851
Yxy	10.6589, 0.1961, 0.1709
Android (android.graphics.Color)	4281686186 (0xFF3558AA)
YUV	86.8830, 40.9767, -29.7154
Hunter-Lab	32.6480, 9.7623, -48.8611




Details

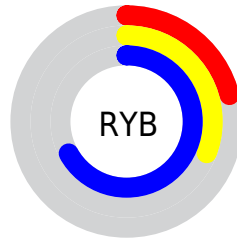
The CIELCh color **39, 50.218, 287.851** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **58, 47.762, 84.706**, and the grayscale version is **37, 0.005, 296.813**.




A 20% lighter version of the original color is **59, 50.507, 288.144**, and **20, 49.099, 292.377** is the 20% darker color. If you saturate the color by 10%, you get **35, 58.290, 291.111**, and if you desaturate by 10%, it is **43, 42.370, 284.882**.

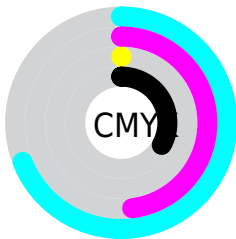
Distribution







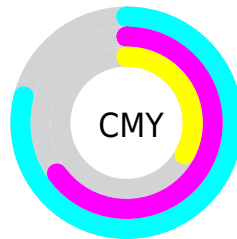
-  Red (21%)
-  Green (35%)
-  Blue (67%)






-  Red (21%)
-  Yellow (31%)
-  Blue (67%)



-  Cyan (69%)
-  Magenta (48%)
-  Yellow (0%)
-  Black (33%)





-  Cyan (79%)
-  Magenta (65%)
-  Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 50.218, 287.851 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, 50.218, 287.851 by changing the saturation by 10% instead.


 39, 50.218,
287.851


 39, 50.218,
287.851

 100, 50.218,
287.851


 29, 50.218,
287.851

 59, 50.218,
287.851


 19, 50.218,
287.851


 69, 50.218,
287.851

 9, 50.218, 287.851

 79, 50.218,
287.851

 0, 50.218, 287.851

 89, 50.218,
287.851

 99, 50.218,
287.851

■ 39, 50.218,
287.851

■ 39, 50.218,
287.851

■ 35, 58.290,
291.111

■ 43, 42.370,
284.882

■ 31, 66.510,
294.527

■ 48, 34.746,
282.256

■ 28, 74.664,
297.833

■ 52, 27.319,
279.976

■ 27, 75.652,
298.199

■ 57, 20.064,
278.016

■ 61, 12.962,
276.339

■ 66, 6.001, 274.912

■ 70, 0.825, 93.403

■ 75, 7.521, 92.535

Harmonies

Complementary

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



39, 50.218, 287.851



58, 47.762, 84.706

Rectangle

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



39, 50.218, 287.851



39, 50.218, 337.851



39, 50.218, 107.851



39, 50.218, 157.851

Sweetspot

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



39, 50.218, 287.852



77, 18.047, 276.752



63, 41.809, 167.907



39, 12.345, 277.192



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



39, 50.218, 287.852



43, 76.802, 293.062



32, 72.386, 304.977



33, 3.841, 274.979



24, 67.463, 297.799



2, 7.277, 276.745

Inverse Universe

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



41, 50.639, 7.314



49, 71.819, 13.174



66, 60.064, 113.911



33, 4.017, 356.842



31, 58.121, 20.112



2, 7.048, 358.988

Previews

White Background



This preview shows how the CIE LCh color 39, 50.218, 287.851 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, 50.218, 287.851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

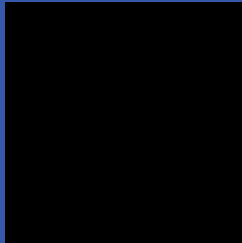
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 50.218, 287.851

Background



This preview shows how black text looks on a background with the CIELCh color 39, 50.218, 287.851.



This preview shows how white text looks on a background with the CIELCh color 39, 50.218, 287.851.

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, 50.218, 287.851

Protanopia

39, 50.288, 286.576

Deuteranopia

39, 44.929, 276.177



Tritanopia
39, 24.698, 208.237

Trichromacy



Original Color
39, 50.218, 287.851

Protanomaly
39, 50.239, 286.948

Deuteranomaly
39, 46.898, 279.736

Tritanomaly
38, 27.481, 250.045

Monochromacy



Original Color
39, 50.218, 287.851

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 18.855, 280.062

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 50.218, 287.851 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(53, 88, 170)` looks like.

```
.text, #text, p{  
    color:rgb(53, 88, 170)  
}
```

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(53, 88, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 88, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 50.218, 287.851 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(53, 88, 170) }
```

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

```
.border{ border-color:rgb(53, 88, 170) }
```

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

Here you see how a box with a 4 pixel rgb(53, 88, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 88, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 88, 170);  
box-shadow:4px 4px 4px 4px rgb(53, 88,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 50.218, 287.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 88, 170) }
```

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

```
.background{ background-color: rgb(53, 88,  
170) }
```

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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