

Converting Colors

CIELCh(39, 51.726, 0.179)

Have a look what the booklet for
CIELCh(39, 51.726, 0.179) contains.

CIELCh(39, 51.618, 0.411)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(39, 51.618, 0.411)

Conversions

Conversions Part 1

Format	Color
Hex	A42E5D
RGB	164, 46, 93
RGB Percent	64%, 18%, 36%
CMY	0.3564, 0.8191, 0.6349
CMYK	0.00, 0.72, 0.43, 0.36
HSL	336°, 56%, 41%
HSV	336°, 72%, 64%
XYZ	18.2938, 10.6589, 11.4704
YIQ	86.6400, 55.2410, 39.6330

Conversions

Conversions Part 2

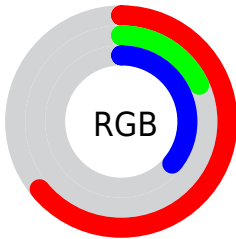
Format	Color
R_{YB}	164, 46, 93
Decimal	10759773
CIE _{Lab}	39.00, 51.62, 0.37
CIE _{LCh}	39, 51.618, 0.411
Yxy	10.6589, 0.4526, 0.2637
Android (android.graphics.Color)	4288949853 (0xFFA42E5D)
YUV	86.6400, 3.1355, 67.8447
Hunter-Lab	32.6480, 42.8855, 2.0230

Details

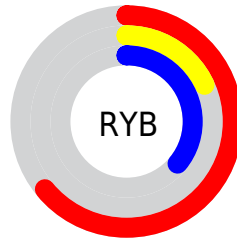
The CIELCh color **39, 51.618, 0.411** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **60, 46.229, 160.791**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 51.751, 0.475**, and **21, 44.574, 5.202** is the 20% darker color. If you saturate the color by 10%, you get **37, 56.082, 3.608**, and if you desaturate by 10%, it is **42, 45.844, 357.883**.

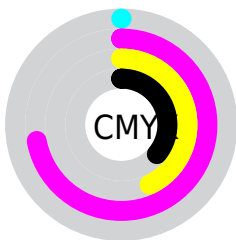
Distribution



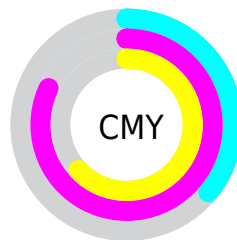
- Red (64%)
- Green (18%)
- Blue (36%)



- Red (64%)
- Yellow (18%)
- Blue (36%)



- Cyan (0%)
- Magenta (72%)
- Yellow (43%)
- Black (36%)



- Cyan (36%)
- Magenta (82%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 51.618, 0.411 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, 51.618, 0.411 by changing the saturation by 10% instead.

 39, 51.618, 0.411  39, 51.618, 0.411

 100, 51.618, 0.411  29, 51.618, 0.411

 59, 51.618, 0.411  19, 51.618, 0.411


 69, 51.618, 0.411  9, 51.618, 0.411

 79, 51.618, 0.411  0, 51.618, 0.411

 89, 51.618, 0.411

 99, 51.618, 0.411

 39, 51.618, 0.411  39, 51.618, 0.411

 37, 56.082, 3.608  42, 45.844,
357.883

 35, 59.109, 7.632

35, 60.948, 11.340

45, 39.094,
355.856

49, 31.732,
354.198

53, 24.079,
352.809

57, 16.374,
351.617

62, 8.775, 350.565

67, 1.380, 349.419

71, 5.762, 168.945

76, 12.631,
168.169

Harmonies

Complementary

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



39, 51.618, 0.411



60, 46.229, 160.791

Rectangle

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



39, 51.618, 0.411



39, 51.618, 50.411



39, 51.618, 180.411



39, 51.618, 230.411

Sweetspot

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



39, 51.615, 0.412



73, 20.446, 351.675



35, 71.954, 315.275



37, 13.753, 351.964



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, 51.615, 0.412



47, 70.698, 5.798



40, 52.902, 35.402



32, 4.137, 350.302



30, 55.705, 10.757



1, 6.204, 351.895

Inverse Universe

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



39, 51.615, 0.412



47, 70.698, 5.798



58, 29.454, 210.289



32, 4.137, 350.302



30, 55.705, 10.757



1, 6.204, 351.895

Previews

White Background



This preview shows how the CIELCh color 39, 51.618, 0.411 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, 51.618, 0.411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

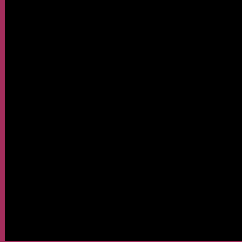
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 51.618, 0.411

Background



This preview shows how black text looks on a background with the CIELCh color 39, 51.618, 0.411.



This preview shows how white text looks on a background with the CIELCh color 39, 51.618, 0.411.

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, 51.618, 0.411

Protanopia
40, 17.827, 284.687

Deuteranopia
39, 6.396, 36.659



Tritanopia
39, 49.772, 26.957

Trichromacy



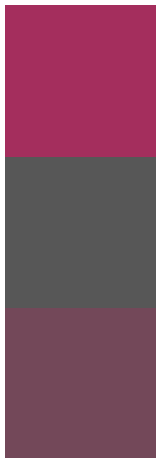
Original Color
39, 51.618, 0.411

Protanomaly
37, 26.863, 328.436

Deuteranomaly
38, 24.171, 1.577

Tritanomaly
39, 49.095, 17.082

Monochromacy



Original Color
39, 51.618, 0.411

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 21.119, 353.555

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 51.618, 0.411 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(164, 46, 93)` looks like.

```
.text, #text, p{  
    color:rgb(164, 46, 93)  
}
```

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(164, 46, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 46, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 51.618, 0.411 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(164, 46, 93) }
```

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

```
.border{ border-color:rgb(164, 46, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 46, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 46, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 46, 93);  
box-shadow:4px 4px 4px 4px rgb(164, 46,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 51.618, 0.411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 46, 93) }
```

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

```
.background{ background-color: rgb(164, 46,  
93) }
```

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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