

Converting Colors

CIELCh(39, 56.801, 9.803)

Have a look what the booklet for
CIELCh(39, 56.801, 9.803) contains.

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Color

CIELCh(39, 56.808, 9.498)

Conversions

Conversions Part 1

Format	Color
Hex	AC244F
RGB	172, 36, 79
RGB Percent	67%, 14%, 31%
CMY	0.3242, 0.8573, 0.6892
CMYK	0.00, 0.79, 0.54, 0.32
HSL	341°, 65%, 41%
HSV	341°, 79%, 68%
XYZ	19.1456, 10.6589, 8.4930
YIQ	81.5660, 67.2530, 42.2050

Conversions

Conversions Part 2

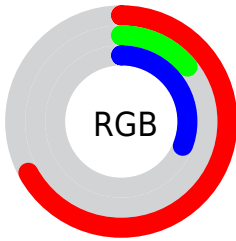
Format	Color
R_{YB}	172, 36, 79
Decimal	11281487
CIE Lab	39.00, 56.03, 9.37
CIE LCh	39, 56.808, 9.498
Yxy	10.6589, 0.4999, 0.2783
Android (android.graphics.Color)	4289471567 (0xFFAC244F)
YUV	81.5660, -1.2650, 79.3106
Hunter-Lab	32.6480, 47.5424, 7.4301

Details

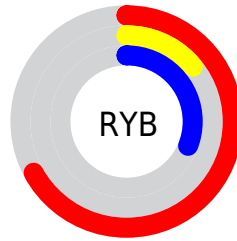
The CIELCh color **39, 56.808, 9.498** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **63, 47.052, 165.022**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 56.609, 9.394**, and **22, 47.309, 17.481** is the 20% darker color. If you saturate the color by 10%, you get **37, 61.077, 13.795**, and if you desaturate by 10%, it is **41, 51.291, 6.070**.

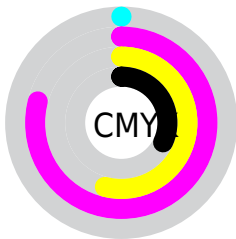
Distribution



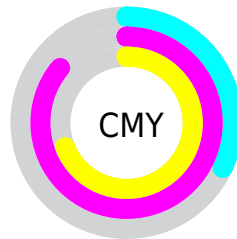
- Red (67%)
- Green (14%)
- Blue (31%)



- Red (67%)
- Yellow (14%)
- Blue (31%)



- Cyan (0%)
- Magenta (79%)
- Yellow (54%)
- Black (32%)



- Cyan (32%)
- Magenta (86%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 56.808, 9.498 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, 56.808, 9.498 by changing the saturation by 10% instead.

 39, 56.808, 9.498

 39, 56.808, 9.498

 100, 56.808, 9.498

 29, 56.808, 9.498

 59, 56.808, 9.498

 19, 56.808, 9.498

 69, 56.808, 9.498

 9, 56.808, 9.498

 79, 56.808, 9.498

 0, 56.808, 9.498

 89, 56.808, 9.498

 99, 56.808, 9.498

 39, 56.808, 9.498

 39, 56.808, 9.498

 37, 61.077, 13.795

 41, 51.291, 6.070

 36, 64.419, 18.841

 45, 44.704, 3.358

36, 64.809, 19.391

48, 37.373, 1.196

52, 29.641,
359.442

57, 21.793,
357.989

61, 14.032,
356.754

66, 6.482, 355.666

71, 0.788, 175.346

76, 7.751, 174.047

Harmonies

Complementary

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



39, 56.808, 9.498



63, 47.052, 165.022

Rectangle

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



39, 56.808, 9.498



39, 56.808, 59.498



39, 56.808, 189.498



39, 56.808, 239.498

Sweetspot

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



39, 56.805, 9.500



75, 22.301, 357.415



36, 79.898, 317.725



38, 15.378, 357.855



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, 56.805, 9.500



48, 77.488, 17.774



42, 58.637, 41.191



34, 4.153, 355.710



31, 58.469, 18.708



2, 8.366, 358.989

Inverse Universe

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



39, 56.805, 9.500



48, 77.488, 17.774



56, 30.494, 225.406



34, 4.153, 355.710



31, 58.469, 18.708



2, 8.366, 358.989

Previews

White Background



This preview shows how the CIELCh color 39, 56.808, 9.498 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, 56.808, 9.498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

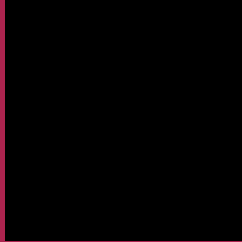
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 56.808, 9.498

Background



This preview shows how black text looks on a background with the CIELCh color 39, 56.808, 9.498.

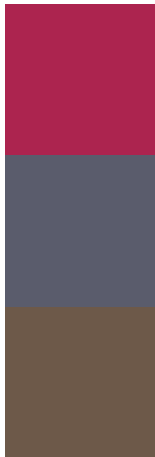


This preview shows how white text looks on a background with the CIELCh color 39, 56.808, 9.498.

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, 56.808, 9.498

Protanopia

39, 9.801, 287.114

Deuteranopia

39, 13.547, 65.635



Tritanopia
39, 59.076, 30.845

Trichromacy



Original Color
39, 56.808, 9.498

Protanomaly
37, 25.322, 345.025

Deuteranomaly
37, 28.413, 18.261

Tritanomaly
39, 57.099, 23.418

Monochromacy



Original Color
39, 56.808, 9.498

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 23.881, 359.605

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 56.808, 9.498 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(172, 36, 79)` looks like.

```
.text, #text, p{  
    color:rgb(172, 36, 79)  
}
```

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(172, 36, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 36, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 56.808, 9.498 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(172, 36, 79) }
```

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

```
.border{ border-color:rgb(172, 36, 79) }
```

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

Here you see how a box with a 4 pixel rgb(172, 36, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 36, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 36, 79);  
box-shadow:4px 4px 4px 4px rgb(172, 36,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 56.808, 9.498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 36, 79) }
```

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

```
.background{ background-color: rgb(172, 36,  
79) }
```

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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