

Converting Colors

CIELCh(39, 56.736, 10.125)

Have a look what the booklet for
CIELCh(39, 56.736, 10.125) contains.

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Color

CIELCh(39, 56.566, 10.310)

Conversions

Conversions Part 1

Format	Color
Hex	AC254E
RGB	172, 37, 78
RGB Percent	67%, 15%, 31%
CMY	0.3252, 0.8545, 0.6939
CMYK	0.00, 0.78, 0.55, 0.33
HSL	342°, 65%, 41%
HSV	342°, 78%, 67%
XYZ	19.0719, 10.6589, 8.2714
YIQ	82.0390, 67.2990, 41.3710

Conversions

Conversions Part 2

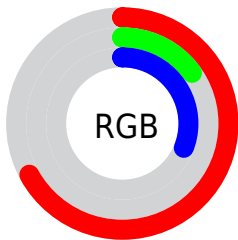
Format	Color
R_{YB}	172, 37, 78
Decimal	11281742
CIE Lab	39.00, 55.65, 10.12
CIE LCh	39, 56.566, 10.310
Yxy	10.6589, 0.5019, 0.2805
Android (android.graphics.Color)	4289471822 (0xFFAC254E)
YUV	82.0390, -1.9912, 78.8958
Hunter-Lab	32.6480, 47.1395, 7.8325

Details

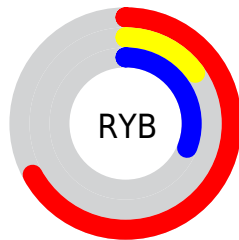
The CIELCh color **39, 56.566, 10.310** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **63, 46.247, 165.984**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 56.607, 9.958**, and **22, 47.462, 18.275** is the 20% darker color. If you saturate the color by 10%, you get **37, 61.005, 14.620**, and if you desaturate by 10%, it is **42, 50.919, 6.869**.

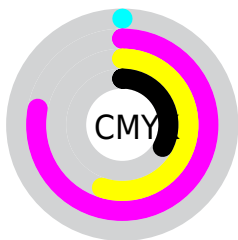
Distribution



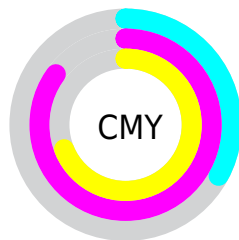
- Red (67%)
- Green (15%)
- Blue (31%)



- Red (67%)
- Yellow (15%)
- Blue (31%)



- Cyan (0%)
- Magenta (78%)
- Yellow (55%)
- Black (33%)



- Cyan (33%)
- Magenta (85%)
- Yellow (69%)
- Black (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 56.566, 10.310 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, 56.566, 10.310 by changing the saturation by 10% instead.

 39, 56.566, 10.310

 39, 56.566, 10.310

 100, 56.566,
10.310

 29, 56.566, 10.310

 59, 56.566, 10.310

 19, 56.566, 10.310

 69, 56.566, 10.310

 9, 56.566, 10.310

 79, 56.566, 10.310

 0, 56.566, 10.310

 89, 56.566, 10.310

 99, 56.566, 10.310

 39, 56.566, 10.310

 39, 56.566, 10.310

 37, 61.005, 14.620

 42, 50.919, 6.869

36, 64.511, 19.693

45, 44.249, 4.145

36, 65.081, 20.469

48, 36.876, 1.975

52, 29.140, 0.217

57, 21.316,
358.760

62, 13.598,
357.525

66, 6.105, 356.435

71, 1.098, 175.974

76, 7.988, 174.826

Harmonies

Complementary

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



39, 56.566, 10.310



63, 46.247, 165.984

Rectangle

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



39, 56.566, 10.310



39, 56.566, 60.310



39, 56.566, 190.310



39, 56.566, 240.310

Sweetspot

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



39, 56.563, 10.312



75, 22.188, 358.242



36, 79.505, 317.730



38, 15.304, 358.686



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, 56.563, 10.312



48, 77.453, 18.300



42, 58.184, 41.137



34, 4.128, 356.527



31, 58.760, 19.790



2, 8.327, 359.695

Inverse Universe

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



39, 56.563, 10.312



48, 77.453, 18.300



56, 30.392, 225.296



34, 4.128, 356.527



31, 58.760, 19.790



2, 8.327, 359.695

Previews

White Background



This preview shows how the CIELCh color 39, 56.566, 10.310 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, 56.566, 10.310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

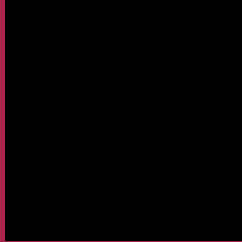
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 56.566, 10.310

Background



This preview shows how black text looks on a background with the CIELCh color 39, 56.566, 10.310.



This preview shows how white text looks on a background with the CIELCh color 39, 56.566, 10.310.

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, 56.566, 10.310

Protanopia

39, 8.565, 288.855

Deuteranopia

39, 14.020, 67.155



Tritanopia
39, 58.818, 30.333

Trichromacy



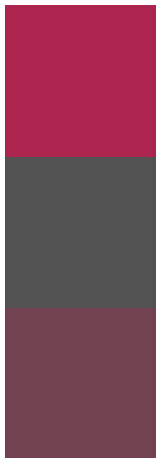
Original Color
39, 56.566, 10.310

Protanomaly
37, 24.714, 347.404

Deuteranomaly
37, 28.493, 19.469

Tritanomaly
39, 57.099, 23.418

Monochromacy



Original Color
39, 56.566, 10.310

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 23.290, 0.456

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 56.566, 10.310 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, 37, 78)` looks like.

```
.text, #text, p{  
    color:rgb(172, 37, 78)  
}
```

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, 37, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 37, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 56.566, 10.310 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, 37, 78) }
```

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

```
.border{ border-color:rgb(172, 37, 78) }
```

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

Here you see how a box with a 4 pixel rgb(172, 37, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 37, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 37, 78);  
box-shadow:4px 4px 4px 4px rgb(172, 37,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 56.566, 10.310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 37, 78) }
```

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

```
.background{ background-color: rgb(172, 37,  
78) }
```

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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