

Converting Colors

CIELCh(39, 59.020, 27.595)

Have a look what the booklet for
CIELCh(39, 59.020, 27.595) contains.

CIELCh(39, 58.961, 27.440)	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, 58.961, 27.440)

Conversions

Conversions Part 1

Format	Color
Hex	AC2A33
RGB	172, 42, 51
RGB Percent	67%, 16%, 20%
CMY	0.3256, 0.8354, 0.8001
CMYK	0.00, 0.76, 0.70, 0.33
HSL	356°, 61%, 42%
HSV	356°, 76%, 67%
XYZ	18.4293, 10.6589, 4.2151
YIQ	81.8960, 74.5910, 30.3590

Conversions

Conversions Part 2

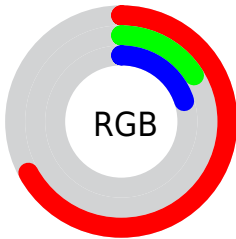
Format	Color
R_{YB}	172, 42, 51
Decimal	11282995
CIE _{Lab}	39.00, 52.33, 27.17
CIE _{LCh}	39, 58.961, 27.440
Yxy	10.6589, 0.5534, 0.3201
Android (android.graphics.Color)	4289473075 (0xFFAC2A33)
YUV	81.8960, -15.2317, 79.0212
Hunter-Lab	32.6480, 43.6262, 15.1988

Details

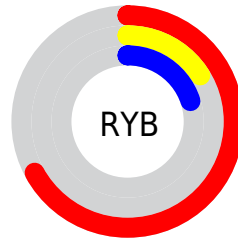
The CIELCh color **39, 58.961, 27.440** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **64, 36.179, 188.363**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 58.932, 27.560**, and **22, 53.237, 34.591** is the 20% darker color. If you saturate the color by 10%, you get **37, 66.285, 31.474**, and if you desaturate by 10%, it is **42, 50.986, 24.002**.

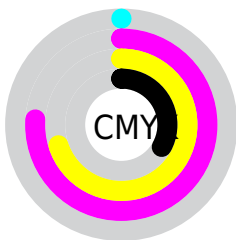
Distribution



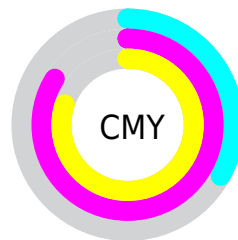
- Red (67%)
- Green (16%)
- Blue (20%)



- Red (67%)
- Yellow (16%)
- Blue (20%)



- Cyan (0%)
- Magenta (76%)
- Yellow (70%)
- Black (33%)



- Cyan (33%)
- Magenta (84%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 58.961, 27.440 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, 58.961, 27.440 by changing the saturation by 10% instead.

■ 39, 58.961, 27.440

■ 39, 58.961, 27.440

■ 100, 58.961,
27.440

■ 29, 58.961, 27.440

■ 59, 58.961, 27.440

■ 19, 58.961, 27.440

■ 69, 58.961, 27.440

■ 9, 58.961, 27.440

■ 79, 58.961, 27.440

■ 0, 58.961, 27.440

■ 89, 58.961, 27.440

■ 99, 58.961, 27.440

■ 39, 58.961, 27.440

■ 39, 58.961, 27.440

■ 37, 66.285, 31.474

■ 42, 50.986, 24.002

36, 72.530, 35.630

45, 42.664, 21.232

36, 74.906, 37.070

49, 34.271, 19.052

53, 26.047, 17.343

58, 18.158, 15.993

63, 10.699, 14.904

68, 3.707, 13.952

73, 2.820, 193.544

78, 8.908, 192.833

Harmonies

Complementary

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



39, 58.961, 27.440



64, 36.179, 188.363

Rectangle

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



39, 58.961, 27.440



39, 58.961, 77.440



39, 58.961, 207.440



39, 58.961, 257.440

Sweetspot

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



39, 58.958, 27.442



75, 20.120, 15.736



42, 77.289, 325.140



38, 14.067, 16.155



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, 58.958, 27.442



48, 86.401, 34.445



49, 50.412, 58.319



34, 3.828, 14.307



31, 67.508, 36.609



2, 7.836, 14.715

Inverse Universe

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



39, 58.958, 27.442



48, 86.401, 34.445



47, 35.708, 263.148



34, 3.828, 14.307



31, 67.508, 36.609



2, 7.836, 14.715

Previews

White Background



This preview shows how the CIELCh color 39, 58.961, 27.440 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 CIELCh color 39, 58.961, 27.440 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, 58.961, 27.440

Background



This preview shows how black text looks on a background with the CIELCh color 39, 58.961, 27.440.



This preview shows how white text looks on a background with the CIELCh color 39, 58.961, 27.440.

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





Tritanopia
39, 60.469, 31.319

Trichromacy



Original Color
39, 58.961, 27.440

Protanomaly
37, 26.534, 38.705

Deuteranomaly
38, 37.146, 46.959

Tritanomaly
39, 59.694, 29.816

Monochromacy



Original Color
39, 58.961, 27.440

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 22.231, 17.019

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 58.961, 27.440 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, 42, 51)` looks like.

```
.text, #text, p{  
    color:rgb(172, 42, 51)  
}
```

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, 42, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 42, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 58.961, 27.440 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, 42, 51) }
```

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

```
.border{ border-color:rgb(172, 42, 51) }
```

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

Here you see how a box with a 4 pixel rgb(172, 42, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 42, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 42, 51);  
box-shadow:4px 4px 4px 4px rgb(172, 42,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 58.961, 27.440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 42, 51) }
```

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

```
.background{ background-color: rgb(172, 42,  
51) }
```

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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