

Converting Colors

CIELCh(39, 60.139, 13.381)

Have a look what the booklet for
CIELCh(39, 60.139, 13.381) contains.

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Color

CIELCh(39, 59.928, 13.544)

Conversions

Conversions Part 1

Format	Color
Hex	B01E48
RGB	176, 30, 72
RGB Percent	69%, 12%, 28%
CMY	0.3091, 0.8814, 0.7171
CMYK	0.00, 0.83, 0.59, 0.31
HSL	343°, 71%, 40%
HSV	343°, 83%, 69%
XYZ	19.5863, 10.6589, 7.1778
YIQ	78.4420, 73.5340, 44.0140

Conversions

Conversions Part 2

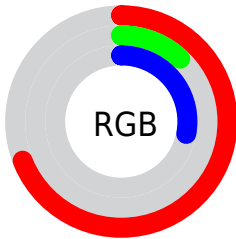
Format	Color
R _Y B	176, 30, 72
Decimal	11542088
CIE Lab	39.00, 58.26, 14.03
CIE LCh	39, 59.928, 13.544
Yxy	10.6589, 0.5234, 0.2848
Android (android.graphics.Color)	4289732168 (0xFFB01E48)
YUV	78.4420, -3.1759, 85.5584
Hunter-Lab	32.6480, 49.9523, 9.8185

Details

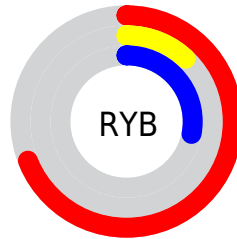
The CIELCh color **39, 59.928, 13.544** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **64, 47.822, 166.402**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 59.749, 13.722**, and **23, 49.507, 22.885** is the 20% darker color. If you saturate the color by 10%, you get **38, 64.113, 18.337**, and if you desaturate by 10%, it is **41, 54.576, 9.651**.

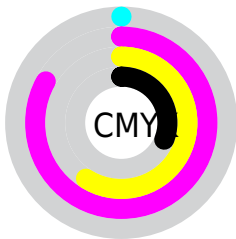
Distribution



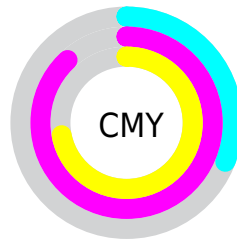
- Red (69%)
- Green (12%)
- Blue (28%)



- Red (69%)
- Yellow (12%)
- Blue (28%)



- Cyan (0%)
- Magenta (83%)
- Yellow (59%)
- Black (31%)



- Cyan (31%)
- Magenta (88%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 59.928, 13.544 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, 59.928, 13.544 by changing the saturation by 10% instead.

 39, 59.928, 13.544

 39, 59.928, 13.544

 100, 59.928,
13.544

 29, 59.928, 13.544

 59, 59.928, 13.544

 19, 59.928, 13.544

 69, 59.928, 13.544

 9, 59.928, 13.544

 79, 59.928, 13.544

 0, 59.928, 13.544

 89, 59.928, 13.544

 99, 59.928, 13.544

 39, 59.928, 13.544

 39, 59.928, 13.544

 38, 64.113, 18.337

 41, 54.576, 9.651

37, 66.787, 22.051

44, 48.119, 6.560

48, 40.828, 4.112

52, 33.048, 2.149

56, 25.089, 0.545

61, 17.182,
359.204

66, 9.476, 358.051

70, 2.054, 356.905

75, 5.046, 176.347

Harmonies

Complementary

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



39, 59.928, 13.544



64, 47.822, 166.402

Rectangle

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



39, 59.928, 13.544



39, 59.928, 63.544



39, 59.928, 193.544



39, 59.928, 243.544

Sweetspot

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



39, 59.925, 13.546



76, 23.423, 359.531



36, 83.726, 318.158



38, 16.050, 359.984



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



39, 59.925, 13.546



49, 81.466, 22.607



42, 62.595, 42.536



35, 4.194, 357.674



32, 59.962, 21.348



2, 9.658, 1.607

Inverse Universe

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



39, 59.925, 13.546



49, 81.466, 22.607



56, 31.581, 229.577



35, 4.194, 357.674



32, 59.962, 21.348



2, 9.658, 1.607

Previews

White Background



This preview shows how the CIELCh color 39, 59.928, 13.544 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, 59.928, 13.544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

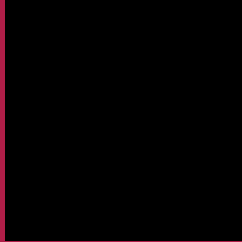
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 59.928, 13.544

Background



This preview shows how black text looks on a background with the CIELCh color 39, 59.928, 13.544.



This preview shows how white text looks on a background with the CIELCh color 39, 59.928, 13.544.

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, 59.928, 13.544

Protanopia

40, 4.887, 290.936

Deuteranopia

39, 18.118, 72.725



Tritanopia
39, 63.616, 32.333

Trichromacy



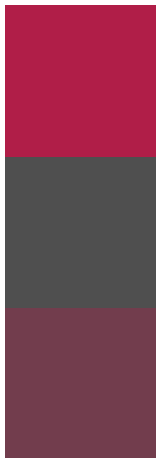
Original Color
39, 59.928, 13.544

Protanomaly
37, 25.756, 354.336

Deuteranomaly
37, 31.412, 24.719

Tritanomaly
39, 61.265, 25.739

Monochromacy



Original Color
39, 59.928, 13.544

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 25.243, 1.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 59.928, 13.544 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(176, 30, 72)` looks like.

```
.text, #text, p{  
    color:rgb(176, 30, 72)  
}
```

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(176, 30, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 30, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 59.928, 13.544 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(176, 30, 72) }
```

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

```
.border{ border-color:rgb(176, 30, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 30, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 30, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 30, 72);  
box-shadow:4px 4px 4px 4px rgb(176, 30,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 59.928, 13.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 30, 72) }
```

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

```
.background{ background-color: rgb(176, 30,  
72) }
```

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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