

Converting Colors

CIELCh(29, 94.805, 2.399)

Have a look what the booklet for
CIELCh(29, 94.805, 2.399) contains.

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Color

CIELCh(39, 66.616, 14.897)

Conversions

Conversions Part 1

Format	Color
Hex	B80344
RGB	184, 3, 68
RGB Percent	72%, 1%, 27%
CMY	0.2785, 0.9899, 0.7344
CMYK	0.00, 0.99, 0.63, 0.28
HSL	338°, 97%, 37%
HSV	338°, 99%, 72%
XYZ	20.8284, 10.6589, 6.3850
YIQ	64.5290, 87.0110, 58.5870

Conversions

Conversions Part 2

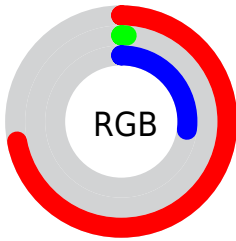
Format	Color
RYB	184, 3, 68
Decimal	12059460
CIELab	39.00, 64.38, 17.13
CIELCh	39, 66.616, 14.897
Yxy	10.6589, 0.5500, 0.2814
Android (android.graphics.Color)	4290249540 (0xFFB80344)
YUV	64.5290, 1.7112, 104.7761
Hunter-Lab	32.6480, 56.7435, 11.2582

Details

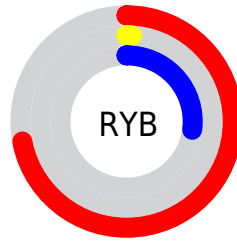
The CIELCh color **39, 66.616, 14.897** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **66, 59.014, 157.775**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **59, 66.354, 14.640**, and **25, 52.871, 26.436** is the 20% darker color. If you saturate the color by 10%, you get **39, 67.028, 15.590**, and if you desaturate by 10%, it is **40, 63.736, 9.986**.

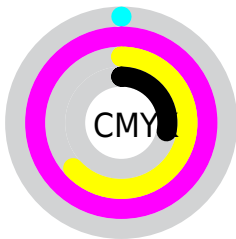
Distribution



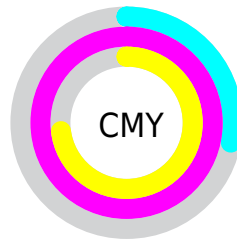
- Red (72%)
- Green (1%)
- Blue (27%)



- Red (72%)
- Yellow (1%)
- Blue (27%)



- Cyan (0%)
- Magenta (99%)
- Yellow (63%)
- Black (28%)



- Cyan (28%)
- Magenta (99%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 66.616, 14.897 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, 66.616, 14.897 by changing the saturation by 10% instead.

39, 66.616, 14.897

39, 66.616, 14.897

100, 66.616,
14.897

29, 66.616, 14.897

59, 66.616, 14.897

19, 66.616, 14.897

69, 66.616, 14.897

9, 66.616, 14.897

79, 66.616, 14.897

0, 66.616, 14.897

89, 66.616, 14.897

99, 66.616, 14.897

39, 66.616, 14.897

39, 66.616, 14.897

39, 67.028, 15.590

40, 63.736, 9.986

■ 42, 59.677, 5.899

■ 44, 54.157, 2.659

■ 48, 47.379, 0.098

■ 52, 39.712,
358.050

■ 56, 31.544,
356.378

■ 61, 23.193,
354.982

■ 65, 14.887,
353.786

■ 70, 6.770, 352.722

Harmonies

Complementary

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



39, 66.616, 14.897



66, 59.014, 157.775

Rectangle

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



39, 66.616, 14.897



39, 66.616, 64.897



39, 66.616, 194.897



39, 66.616, 244.897

Sweetspot

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



39, 66.613, 14.899



76, 30.223, 355.230



33, 94.426, 315.428



38, 20.679, 355.804



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



39, 66.613, 14.899



51, 82.016, 16.609



40, 78.639, 41.524



36, 4.459, 352.798



32, 59.065, 14.807



2, 11.438, 358.604

Inverse Universe

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



39, 66.613, 14.899



51, 82.016, 16.609



60, 34.209, 220.755



36, 4.459, 352.798



32, 59.065, 14.807



2, 11.438, 358.604

Previews

White Background



This preview shows how the CIELCh color 39, 66.616, 14.897 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, 66.616, 14.897 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, 66.616, 14.897

Background



This preview shows how black text looks on a background with the CIELCh color 39, 66.616, 14.897.



This preview shows how white text looks on a background with the CIELCh color 39, 66.616, 14.897.

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, 66.549, 14.786

Protanopia

40, 3.084, 298.316

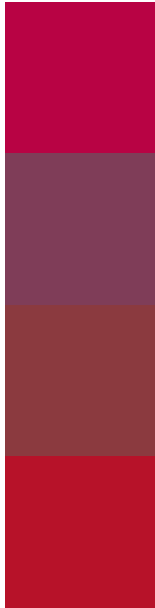
Deuteranopia

40, 21.749, 75.263



Tritanopia
39, 72.966, 36.213

Trichromacy



Original Color
39, 66.549, 14.786

Protanomaly
35, 31.918, 354.907

Deuteranomaly
36, 37.776, 22.197

Tritanomaly
39, 69.770, 28.978

Monochromacy



Original Color
39, 66.549, 14.786

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 31.886, 0.793

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 66.616, 14.897 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(184, 3, 68)` looks like.

```
.text, #text, p{  
    color:rgb(184, 3, 68)  
}
```

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(184, 3, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 3, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 66.616, 14.897 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(184, 3, 68) }
```

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

```
.border{ border-color:rgb(184, 3, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 3, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 3, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 3, 68);  
box-shadow:4px 4px 4px 4px rgb(184, 3, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 66.616, 14.897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 3, 68) }
```

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

```
.background{ background-color: rgb(184, 3,  
68) }
```

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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