

Converting Colors

CIELCh(34, 59.690, 358.968)

Have a look what the booklet for
CIELCh(34, 59.690, 358.968)
contains.

CIELCh(34, 59.828, 358.902)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(34, 59.828, 358.902)

Conversions

Conversions Part 1

Format	Color
Hex	9F0154
RGB	159, 1, 84
RGB Percent	62%, 0%, 33%
CMY	0.3771, 0.9973, 0.6711
CMYK	0.00, 1.00, 0.47, 0.38
HSL	328°, 99%, 31%
HSV	328°, 100%, 62%
XYZ	15.8712, 8.0082, 9.0721
YIQ	57.7040, 67.5250, 59.3090

Conversions

Conversions Part 2

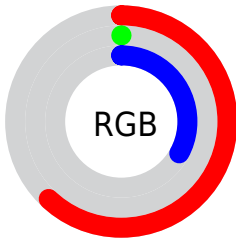
Format	Color
R_{YB}	159, 1, 84
Decimal	10420564
CIE _{Lab}	34.00, 59.82, -1.15
CIE _{LCh}	34, 59.828, 358.902
Yxy	8.0082, 0.4817, 0.2430
Android (android.graphics.Color)	4288610644 (0xFF9F0154)
YUV	57.7040, 12.9639, 88.8366
Hunter-Lab	28.2988, 50.5875, 0.8018

Details

The CIELCh color **34, 59.828, 358.902** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **57, 63.629, 148.247**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 59.987, 359.165**, and **20, 42.855, 9.719** is the 20% darker color. If you saturate the color by 10%, you get **34, 59.885, 359.048**, and if you desaturate by 10%, it is **35, 58.465, 355.550**.

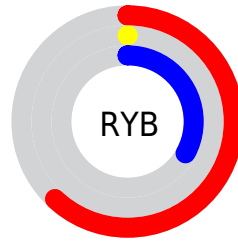
Distribution



Red (62%)

Green (0%)

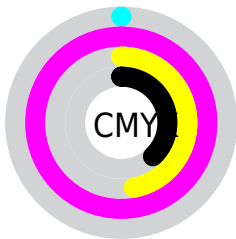
Blue (33%)



Red (62%)

Yellow (0%)

Blue (33%)

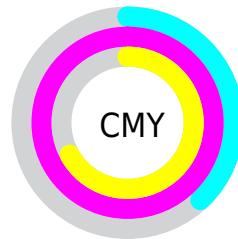


Cyan (0%)

Magenta (100%)

Yellow (47%)

Black (38%)



Cyan (38%)


Magenta (100%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 59.828, 358.902 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 34, 59.828, 358.902 by changing the saturation by 10% instead.


 34, 59.828,
358.902

 34, 59.828,
358.902

 100, 59.828,
358.902


 24, 59.828,
358.902

 54, 59.828,
358.902

 14, 59.828,
358.902

 64, 59.828,
358.902

 4, 59.828, 358.902

 74, 59.828,
358.902

 0, 59.828, 358.902

 84, 59.828,
358.902

 94, 59.828,
358.902

■ 34, 59.828,
358.902

■ 34, 59.828,
358.902

■ 34, 59.885,
359.048

■ 35, 58.465,
355.550

■ 37, 55.777,
352.756

■ 39, 51.406,
350.530

■ 42, 45.602,
348.730

■ 45, 38.743,
347.239

■ 49, 31.214,
345.974

■ 53, 23.340,
344.872

■ 57, 15.361,

343.893

■ 61, 7.439, 342.995

Harmonies

Complementary

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



34, 59.828, 358.902



57, 63.629, 148.247

Rectangle

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



34, 59.828, 358.902



34, 59.828, 48.902



34, 59.828, 178.902



34, 59.828, 228.902

Sweetspot

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



34, 59.825, 358.903



67, 29.333, 344.977



24, 87.913, 311.305



33, 20.179, 345.403



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



34, 59.825, 358.903



45, 72.616, 359.882



33, 71.563, 38.220



31, 4.377, 342.966



30, 55.456, 358.656



1, 5.561, 343.706

Inverse Universe

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



34, 59.825, 358.903



45, 72.616, 359.882



59, 36.080, 191.473



31, 4.377, 342.966



30, 55.456, 358.656



1, 5.561, 343.706

Previews

White Background



This preview shows how the CIE LCh color 34, 59.828, 358.902 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 34, 59.828, 358.902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

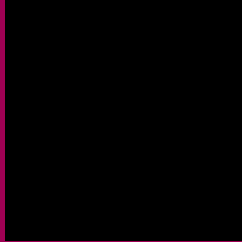
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 59.828, 358.902

Background



This preview shows how black text looks on a background with the CIELCh color 34, 59.828, 358.902.



This preview shows how white text looks on a background with the CIELCh color 34, 59.828, 358.902.

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

34, 59.828, 358.902

Protanopia

35, 24.450, 284.569

Deuteranopia

35, 6.111, 37.832



Tritanopia
35, 58.743, 32.437

Trichromacy



Original Color
34, 59.828, 358.902

Protanomaly
30, 39.337, 323.749

Deuteranomaly
31, 32.629, 353.546

Tritanomaly
34, 57.351, 19.875

Monochromacy



Original Color
34, 59.828, 358.902

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 30.351, 348.368

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 59.828, 358.902 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(159, 1, 84)` looks like.

```
.text, #text, p{  
    color:rgb(159, 1, 84)  
}
```

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(159, 1, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 1, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 59.828, 358.902 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(159, 1, 84) }
```

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

```
.border{ border-color:rgb(159, 1, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 1, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 1, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 1, 84);  
box-shadow:4px 4px 4px 4px rgb(159, 1, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 59.828, 358.902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 1, 84) }
```

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

```
.background{ background-color: rgb(159, 1,  
84) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor