

Converting Colors

CIELCh(34, 61.509, 34.170)

Have a look what the booklet for
CIELCh(34, 61.509, 34.170) contains.

CIELCh(34, 61.397, 34.060)	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(34, 61.397, 34.060)

Conversions

Conversions Part 1

Format	Color
Hex	9C1C1C
RGB	156, 28, 28
RGB Percent	61%, 11%, 11%
CMY	0.3876, 0.8894, 0.8897
CMYK	0.00, 0.82, 0.82, 0.39
HSL	0°, 69%, 36%
HSV	0°, 82%, 61%
XYZ	14.3728, 8.0082, 1.8940
YIQ	66.2720, 76.2880, 27.1360

Conversions

Conversions Part 2

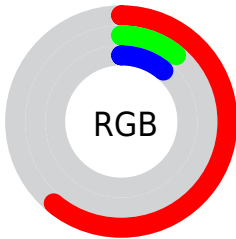
Format	Color
RYB	156, 28, 28
Decimal	10230812
CIELab	34.00, 50.86, 34.39
CIElCh	34, 61.397, 34.060
Yxy	8.0082, 0.5921, 0.3299
Android (android.graphics.Color)	4288420892 (0xFF9C1C1C)
YUV	66.2720, -18.8681, 78.6915
Hunter-Lab	28.2988, 41.1363, 15.8409

Details

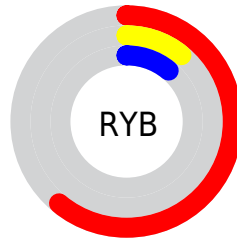
The CIELCh color **34, 61.397, 34.060** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **58, 33.134, 196.605**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 61.038, 33.989**, and **18, 47.902, 35.127** is the 20% darker color. If you saturate the color by 10%, you get **33, 67.917, 37.439**, and if you desaturate by 10%, it is **36, 53.723, 30.650**.

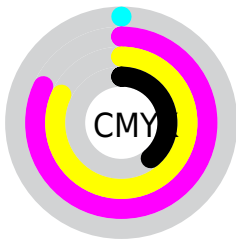
Distribution



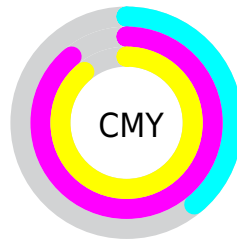
- Red (61%)
- Green (11%)
- Blue (11%)



- Red (61%)
- Yellow (11%)
- Blue (11%)



- Cyan (0%)
- Magenta (82%)
- Yellow (82%)
- Black (39%)



- Cyan (39%)
- Magenta (89%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 61.397, 34.060 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, 61.397, 34.060 by changing the saturation by 10% instead.

■ 34, 61.397, 34.060

■ 34, 61.397, 34.060

■ 100, 61.397,
34.060

■ 24, 61.397, 34.060

■ 54, 61.397, 34.060

■ 14, 61.397, 34.060

■ 64, 61.397, 34.060

■ 4, 61.397, 34.060

■ 74, 61.397, 34.060

■ 0, 61.397, 34.060

■ 84, 61.397, 34.060

■ 94, 61.397, 34.060

■ 34, 61.397, 34.060

■ 34, 61.397, 34.060

■ 33, 67.917, 37.439

■ 36, 53.723, 30.650

32, 72.086, 39.625

39, 45.590, 27.715

42, 37.361, 25.361

46, 29.293, 23.530

50, 21.566, 22.119

54, 14.286, 21.029

59, 7.498, 20.167

63, 1.201, 19.197

68, 4.630, 199.168

Harmonies

Complementary

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



34, 61.397, 34.060



58, 33.134, 196.605

Rectangle

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



34, 61.397, 34.060



34, 61.397, 84.060



34, 61.397, 214.060



34, 61.397, 264.060

Sweetspot

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



34, 61.395, 34.062



68, 20.453, 21.380



38, 75.081, 328.016



34, 14.091, 21.734



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



34, 61.395, 34.062



43, 87.244, 39.473



45, 50.016, 64.840



31, 3.532, 19.954



29, 67.083, 39.172



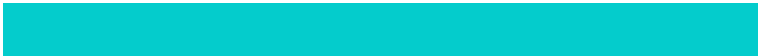
1, 4.470, 19.458

Inverse Universe

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



58, 33.134, 196.605



75, 42.204, 196.496



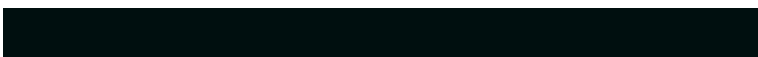
38, 40.659, 275.689



33, 3.336, 199.055



54, 32.513, 196.488



3, 4.469, 199.492

Previews

White Background



This preview shows how the CIELCh color 34, 61.397, 34.060 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 CIELCh color 34, 61.397, 34.060 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, 61.397, 34.060

Background



This preview shows how black text looks on a background with the CIELCh color 34, 61.397, 34.060.



This preview shows how white text looks on a background with the CIELCh color 34, 61.397, 34.060.

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, 61.397, 34.060

Protanopia

35, 24.668, 96.674

Deuteranopia

34, 38.275, 82.984



Tritanopia
34, 61.397, 34.060

Trichromacy



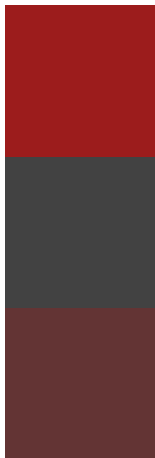
Original Color
34, 61.397, 34.060

Protanomaly
32, 32.205, 50.979

Deuteranomaly
33, 42.864, 54.863

Tritanomaly
34, 61.397, 34.060

Monochromacy



Original Color
34, 61.397, 34.060

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 23.036, 24.043

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 61.397, 34.060 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(156, 28, 28)` looks like.

```
.text, #text, p{  
    color:rgb(156, 28, 28)  
}
```

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(156, 28, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 28, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 61.397, 34.060 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(156, 28, 28) }
```

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

```
.border{ border-color:rgb(156, 28, 28) }
```

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

Here you see how a box with a 4 pixel rgb(156, 28, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 28, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 28, 28);  
box-shadow:4px 4px 4px 4px rgb(156, 28,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 61.397, 34.060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 28, 28) }
```

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

```
.background{ background-color: rgb(156, 28,  
28) }
```

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