

Converting Colors

CIELCh(34, 56.748, 13.850)

Have a look what the booklet for
CIELCh(34, 56.748, 13.850) contains.

CIELCh(34, 56.578, 13.991)	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, 56.578, 13.991)

Conversions

Conversions Part 1

Format	Color
Hex	9D133D
RGB	157, 19, 61
RGB Percent	62%, 7%, 24%
CMY	0.3834, 0.9240, 0.7601
CMYK	0.00, 0.88, 0.61, 0.38
HSL	342°, 78%, 35%
HSV	342°, 88%, 62%
XYZ	15.0359, 8.0082, 5.1926
YIQ	65.0500, 68.7660, 42.3180

Conversions

Conversions Part 2

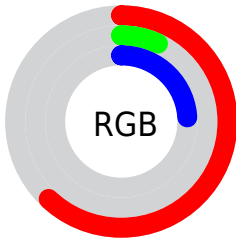
Format	Color
RYB	157, 19, 61
Decimal	10294077
CIELab	34.00, 54.90, 13.68
CIElCh	34, 56.578, 13.991
Yxy	8.0082, 0.5325, 0.2836
Android (android.graphics.Color)	4288484157 (0xFF9D133D)
YUV	65.0500, -1.9966, 80.6402
Hunter-Lab	28.2988, 45.3188, 8.9298

Details

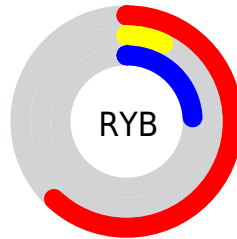
The CIELCh color **34, 56.578, 13.991** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **58, 45.986, 164.374**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 56.546, 13.975**, and **19, 44.658, 25.375** is the 20% darker color. If you saturate the color by 10%, you get **33, 59.949, 18.924**, and if you desaturate by 10%, it is **36, 52.295, 9.836**.

Distribution



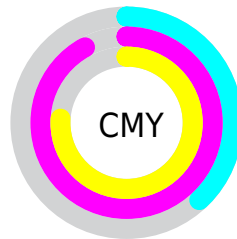
- Red (62%)
- Green (7%)
- Blue (24%)



- Red (62%)
- Yellow (7%)
- Blue (24%)



- Cyan (0%)
- Magenta (88%)
- Yellow (61%)
- Black (38%)



- Cyan (38%)
- Magenta (92%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 56.578, 13.991 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, 56.578, 13.991 by changing the saturation by 10% instead.

 34, 56.578, 13.991

 34, 56.578, 13.991

 100, 56.578,
13.991

 24, 56.578, 13.991

 54, 56.578, 13.991

 14, 56.578, 13.991

 64, 56.578, 13.991

 4, 56.578, 13.991

 74, 56.578, 13.991

 0, 56.578, 13.991

 84, 56.578, 13.991

 94, 56.578, 13.991

 34, 56.578, 13.991

 34, 56.578, 13.991

 33, 59.949, 18.924

 36, 52.295, 9.836

33, 60.766, 20.046

38, 46.915, 6.517

41, 40.620, 3.886

45, 33.717, 1.784

48, 26.509, 0.073

53, 19.244,
358.652

57, 12.090,
357.443

61, 5.151, 356.366

66, 1.519, 175.803

Harmonies

Complementary

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



34, 56.578, 13.991



58, 45.986, 164.374

Rectangle

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



34, 56.578, 13.991



34, 56.578, 63.991



34, 56.578, 193.991



34, 56.578, 243.991

Sweetspot

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



34, 56.575, 13.993



68, 22.309, 358.500



31, 79.161, 317.535



34, 15.157, 358.918



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, 56.575, 13.993



43, 74.167, 21.243



36, 61.124, 42.085



31, 3.822, 356.533



29, 56.493, 19.527



1, 4.871, 356.823

Inverse Universe

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



34, 56.575, 13.993



43, 74.167, 21.243



51, 29.475, 227.582



31, 3.822, 356.533



29, 56.493, 19.527



1, 4.871, 356.823

Previews

White Background



This preview shows how the CIELCh color 34, 56.578, 13.991 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, 56.578, 13.991 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, 56.578, 13.991

Background



This preview shows how black text looks on a background with the CIELCh color 34, 56.578, 13.991.



This preview shows how white text looks on a background with the CIELCh color 34, 56.578, 13.991.

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, 56.578, 13.991

Protanopia

35, 3.783, 297.174

Deuteranopia

35, 17.480, 73.805



Tritanopia
34, 60.747, 34.068

Trichromacy



Original Color
34, 56.578, 13.991

Protanomaly
32, 24.653, 355.762

Deuteranomaly
32, 30.358, 25.162

Tritanomaly
34, 58.280, 27.068

Monochromacy



Original Color
34, 56.578, 13.991

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 24.994, 1.297

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 56.578, 13.991 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(157, 19, 61)` looks like.

```
.text, #text, p{  
    color:rgb(157, 19, 61)  
}
```

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(157, 19, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 19, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 56.578, 13.991 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(157, 19, 61) }
```

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

```
.border{ border-color:rgb(157, 19, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 19, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 19, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 19, 61);  
box-shadow:4px 4px 4px 4px rgb(157, 19,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 56.578, 13.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 19, 61) }
```

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

```
.background{ background-color: rgb(157, 19,  
61) }
```

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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