

Converting Colors

CIELCh(34, 58.233, 16.285)

Have a look what the booklet for
CIELCh(34, 58.233, 16.285) contains.

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Color

CIELCh(34, 58.302, 16.413)

Conversions

Conversions Part 1

Format	Color
Hex	9F0F39
RGB	159, 15, 57
RGB Percent	62%, 6%, 22%
CMY	0.3765, 0.9411, 0.7765
CMYK	0.00, 0.91, 0.64, 0.38
HSL	343°, 83%, 34%
HSV	343°, 91%, 62%
XYZ	15.2078, 8.0082, 4.6152
YIQ	62.8440, 72.3420, 43.5900

Conversions

Conversions Part 2

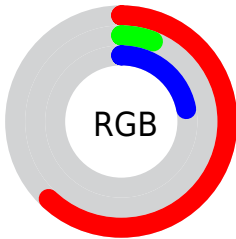
Format	Color
R_{YB}	159, 15, 57
Decimal	10424121
CIE _{Lab}	34.00, 55.93, 16.47
CIE _{LCh}	34, 58.302, 16.413
Yxy	8.0082, 0.5464, 0.2877
Android (android.graphics.Color)	4288614201 (0xFF9F0F39)
YUV	62.8440, -2.8811, 84.3288
Hunter-Lab	28.2988, 46.4032, 10.1397

Details

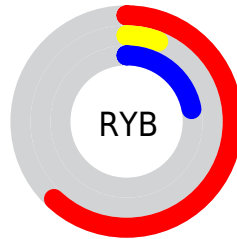
The CIELCh color **34, 58.302, 16.413** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **58, 46.558, 164.692**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 58.303, 16.383**, and **19, 46.627, 29.167** is the 20% darker color. If you saturate the color by 10%, you get **33, 61.614, 21.150**, and if you desaturate by 10%, it is **36, 54.190, 11.942**.

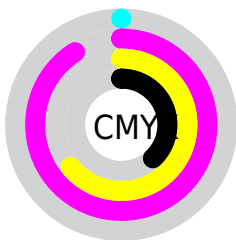
Distribution



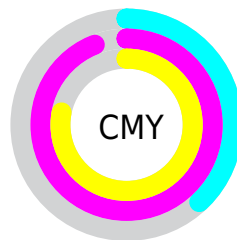
- Red (62%)
- Green (6%)
- Blue (22%)



- Red (62%)
- Yellow (6%)
- Blue (22%)



- Cyan (0%)
- Magenta (91%)
- Yellow (64%)
- Black (38%)



- Cyan (38%)
- Magenta (94%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 58.302, 16.413 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, 58.302, 16.413 by changing the saturation by 10% instead.

 34, 58.302, 16.413

 34, 58.302, 16.413

 100, 58.302,
16.413

 24, 58.302, 16.413

 54, 58.302, 16.413

 14, 58.302, 16.413

 64, 58.302, 16.413

 4, 58.302, 16.413

 74, 58.302, 16.413

 0, 58.302, 16.413

 84, 58.302, 16.413

 94, 58.302, 16.413

 34, 58.302, 16.413

 34, 58.302, 16.413

 33, 61.614, 21.150

 36, 54.190, 11.942

■ 38, 48.993, 8.340

■ 41, 42.829, 5.483

■ 44, 35.980, 3.211

■ 48, 28.759, 1.376

■ 52, 21.431,
359.865

■ 56, 14.186,
358.591

■ 61, 7.144, 357.482

■ 65, 0.370, 355.503

Harmonies

Complementary

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



34, 58.302, 16.413



58, 46.558, 164.692

Rectangle

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



34, 58.302, 16.413



34, 58.302, 66.413



34, 58.302, 196.413



34, 58.302, 246.413

Sweetspot

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



34, 58.299, 16.415



68, 23.332, 359.456



31, 80.906, 317.928



34, 15.921, 359.886



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, 58.299, 16.415



44, 75.319, 22.342



36, 63.229, 43.056



31, 3.800, 357.343



29, 56.782, 20.571



1, 4.843, 357.603

Inverse Universe

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



34, 58.299, 16.415



44, 75.319, 22.342



50, 30.049, 231.787



31, 3.800, 357.343



29, 56.782, 20.571



1, 4.843, 357.603

Previews

White Background



This preview shows how the CIELCh color 34, 58.302, 16.413 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, 58.302, 16.413 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, 58.302, 16.413

Background



This preview shows how black text looks on a background with the CIELCh color 34, 58.302, 16.413.



This preview shows how white text looks on a background with the CIELCh color 34, 58.302, 16.413.

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, 58.302, 16.413

Protanopia

35, 0.765, 324.323

Deuteranopia

35, 20.437, 76.596



Tritanopia
34, 63.403, 35.038

Trichromacy



Original Color
34, 58.302, 16.413

Protanomaly
32, 25.371, 1.600

Deuteranomaly
32, 32.311, 27.697

Tritanomaly
34, 60.734, 28.675

Monochromacy



Original Color
34, 58.302, 16.413

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 25.374, 3.432

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 58.302, 16.413 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, 15, 57)` looks like.

```
.text, #text, p{  
  color:rgb(159, 15, 57)  
}
```

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, 15, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 15, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 58.302, 16.413 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, 15, 57) }
```

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

```
.border{ border-color:rgb(159, 15, 57) }
```

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

Here you see how a box with a 4 pixel rgb(159, 15, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 15, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 15, 57);  
box-shadow:4px 4px 4px 4px rgb(159, 15,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 58.302, 16.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 15, 57) }
```

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

```
.background{ background-color: rgb(159, 15,  
57) }
```

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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