

Converting Colors

CIELCh(33, 63.352, 13.358)

Have a look what the booklet for
CIELCh(33, 63.352, 13.358) contains.

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Color

CIELCh(34, 60.911, 15.110)

Conversions

Conversions Part 1

Format	Color
Hex	A2003A
RGB	162, 0, 58
RGB Percent	64%, 0%, 23%
CMY	0.3642, 0.9988, 0.7722
CMYK	0.00, 1.00, 0.64, 0.36
HSL	339°, 100%, 32%
HSV	339°, 100%, 64%
XYZ	15.6968, 8.0082, 4.7345
YIQ	55.0500, 77.9340, 52.3820

Conversions

Conversions Part 2

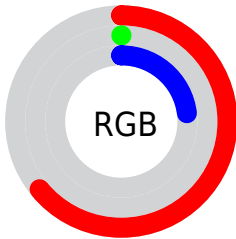
Format	Color
RYB	162, 0, 58
Decimal	10616890
CIELab	34.00, 58.81, 15.88
CIELCh	34, 60.911, 15.110
Yxy	8.0082, 0.5519, 0.2816
Android (android.graphics.Color)	4288806970 (0xFFA2003A)
YUV	55.0500, 1.4544, 93.7952
Hunter-Lab	28.2988, 49.4878, 9.8897

Details

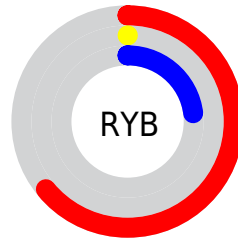
The CIELCh color **34, 60.911, 15.110** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **59, 53.739, 157.896**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 61.055, 14.809**, and **19, 47.215, 28.985** is the 20% darker color. If you saturate the color by 10%, you get **34, 60.966, 15.204**, and if you desaturate by 10%, it is **35, 58.162, 10.331**.

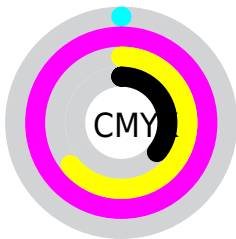
Distribution



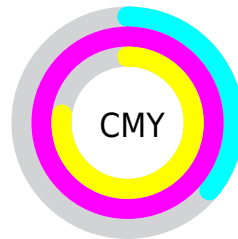
- Red (64%)
- Green (0%)
- Blue (23%)



- Red (64%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (36%)



- Cyan (36%)
- Magenta (100%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 60.911, 15.110 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, 60.911, 15.110 by changing the saturation by 10% instead.

 34, 60.911, 15.110

 34, 60.911, 15.110

 100, 60.911,
15.110

 24, 60.911, 15.110

 54, 60.911, 15.110

 14, 60.911, 15.110

 64, 60.911, 15.110

 4, 60.911, 15.110

 74, 60.911, 15.110

 0, 60.911, 15.110

 84, 60.911, 15.110

 94, 60.911, 15.110

 34, 60.911, 15.110

 34, 60.911, 15.110

 34, 60.966, 15.204

 35, 58.162, 10.331

■ 37, 54.537, 6.233

■ 39, 49.610, 2.975

■ 42, 43.548, 0.395

■ 45, 36.673,
358.331

■ 49, 29.329,
356.645

■ 53, 21.805,
355.238

■ 58, 14.307,
354.034

■ 62, 6.969, 352.970

Harmonies

Complementary

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



34, 60.911, 15.110



59, 53.739, 157.896

Rectangle

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



34, 60.911, 15.110



34, 60.911, 65.110



34, 60.911, 195.110



34, 60.911, 245.110

Sweetspot

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



34, 60.908, 15.112



68, 27.287, 355.338



28, 86.318, 315.460



34, 18.831, 355.881



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



34, 60.908, 15.112



45, 74.611, 16.355



35, 72.044, 41.836



32, 4.039, 352.915



30, 56.180, 14.648



1, 6.069, 354.351

Inverse Universe

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



34, 60.908, 15.112



45, 74.611, 16.355



54, 31.213, 220.773



32, 4.039, 352.915



30, 56.180, 14.648



1, 6.069, 354.351

Previews

White Background



This preview shows how the CIE LCh color 34, 60.911, 15.110 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, 60.911, 15.110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

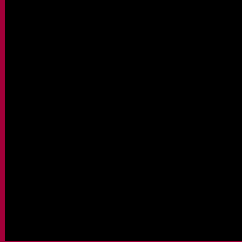
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 60.911, 15.110

Background



This preview shows how black text looks on a background with the CIELCh color 34, 60.911, 15.110.



This preview shows how white text looks on a background with the CIELCh color 34, 60.911, 15.110.

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, 60.911, 15.110

Protanopia

35, 1.325, 309.114

Deuteranopia

35, 20.388, 76.653



Tritanopia
34, 66.188, 36.178

Trichromacy



Original Color
34, 60.911, 15.110

Protanomaly
31, 28.786, 357.413

Deuteranomaly
31, 34.904, 22.796

Tritanomaly
34, 63.622, 29.463

Monochromacy



Original Color
34, 60.911, 15.110

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 29.235, 0.374

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 60.911, 15.110 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(162, 0, 58)` looks like.

```
.text, #text, p{  
    color:rgb(162, 0, 58)  
}
```

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(162, 0, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 0, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 60.911, 15.110 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(162, 0, 58) }
```

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

```
.border{ border-color:rgb(162, 0, 58) }
```

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

Here you see how a box with a 4 pixel rgb(162, 0, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 0, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 0, 58);  
box-shadow:4px 4px 4px 4px rgb(162, 0, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 60.911, 15.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 0, 58) }
```

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

```
.background{ background-color: rgb(162, 0,  
58) }
```

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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