

Converting Colors

CIELCh(33, 63.035, 17.912)

Have a look what the booklet for
CIELCh(33, 63.035, 17.912) contains.

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Color

CIELCh(34, 61.512, 18.931)

Conversions

Conversions Part 1

Format	Color
Hex	A20334
RGB	162, 3, 52
RGB Percent	64%, 1%, 20%
CMY	0.3638, 0.9896, 0.7966
CMYK	0.00, 0.98, 0.68, 0.36
HSL	341°, 97%, 32%
HSV	341°, 98%, 64%
XYZ	15.5906, 8.0082, 3.9577
YIQ	56.1270, 79.0350, 48.9470

Conversions

Conversions Part 2

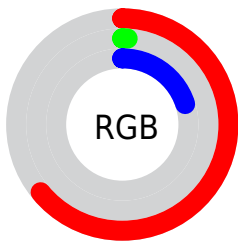
Format	Color
RYB	162, 3, 52
Decimal	10617652
CIELab	34.00, 58.18, 19.96
CIELCh	34, 61.512, 18.931
Yxy	8.0082, 0.5658, 0.2906
Android (android.graphics.Color)	4288807732 (0xFFA20334)
YUV	56.1270, -2.0346, 92.8506
Hunter-Lab	28.2988, 48.8177, 11.5173

Details

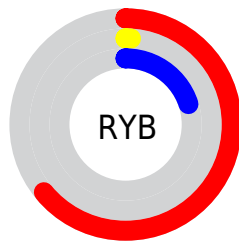
The CIELCh color **34, 61.512, 18.931** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **59, 50.284, 161.746**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 61.360, 18.790**, and **19, 48.873, 32.808** is the 20% darker color. If you saturate the color by 10%, you get **34, 62.082, 19.727**, and if you desaturate by 10%, it is **35, 58.165, 13.958**.

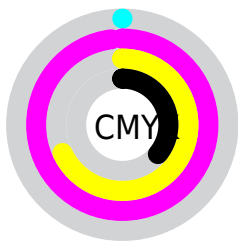
Distribution



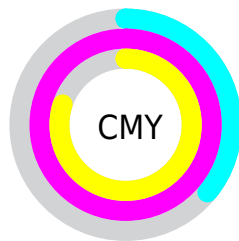
- Red (64%)
- Green (1%)
- Blue (20%)



- Red (64%)
- Yellow (1%)
- Blue (20%)



- Cyan (0%)
- Magenta (98%)
- Yellow (68%)
- Black (36%)



- Cyan (36%)
- Magenta (99%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 61.512, 18.931 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, 61.512, 18.931 by changing the saturation by 10% instead.

■ 34, 61.512, 18.931

■ 34, 61.512, 18.931

■ 100, 61.512,
18.931

■ 24, 61.512, 18.931

■ 54, 61.512, 18.931

■ 14, 61.512, 18.931

■ 64, 61.512, 18.931

■ 4, 61.512, 18.931

■ 74, 61.512, 18.931

■ 0, 61.512, 18.931

■ 84, 61.512, 18.931

■ 94, 61.512, 18.931

■ 34, 61.512, 18.931

■ 34, 61.512, 18.931

■ 34, 62.082, 19.727

■ 35, 58.165, 13.958

■ 37, 53.927, 9.733

■ 39, 48.537, 6.359

■ 42, 42.169, 3.687

■ 46, 35.137, 1.554

■ 50, 27.759,
359.821

■ 54, 20.297,
358.383

■ 58, 12.934,
357.160

■ 63, 5.782, 356.079

Harmonies

Complementary

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



34, 61.512, 18.931



59, 50.284, 161.746

Rectangle

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



34, 61.512, 18.931



34, 61.512, 68.931



34, 61.512, 198.931



34, 61.512, 248.931

Sweetspot

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



34, 61.509, 18.933



68, 26.733, 358.678



30, 85.033, 317.016



34, 18.470, 359.247



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, 61.509, 18.933



45, 76.108, 20.910



35, 69.877, 42.957



32, 3.935, 356.174



30, 57.127, 19.149



1, 5.925, 357.397

Inverse Universe

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



34, 61.509, 18.933



45, 76.108, 20.910



51, 30.994, 231.012



32, 3.935, 356.174



30, 57.127, 19.149



1, 5.925, 357.397

Previews

White Background



This preview shows how the CIE LCh color 34, 61.512, 18.931 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, 61.512, 18.931 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, 61.512, 18.931

Background



This preview shows how black text looks on a background with the CIELCh color 34, 61.512, 18.931.



This preview shows how white text looks on a background with the CIELCh color 34, 61.512, 18.931.

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, 61.377, 18.846

Protanopia

35, 3.565, 79.931

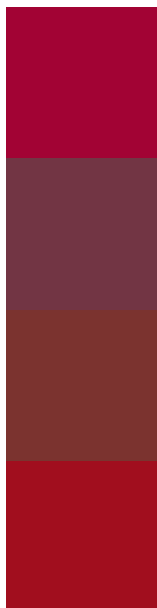
Deuteranopia

35, 24.426, 79.549



Tritanopia
34, 67.300, 36.915

Trichromacy



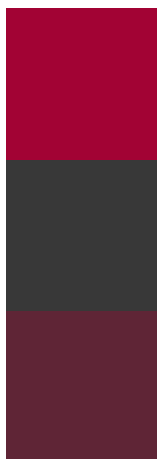
Original Color
34, 61.377, 18.846

Protanomaly
31, 28.788, 6.902

Deuteranomaly
31, 35.949, 30.241

Tritanomaly
34, 64.808, 31.209

Monochromacy



Original Color
34, 61.377, 18.846

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 28.382, 4.712

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 61.512, 18.931 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, 3, 52)` looks like.

```
.text, #text, p{  
    color:rgb(162, 3, 52)  
}
```

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, 3, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 3, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 61.512, 18.931 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, 3, 52) }
```

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

```
.border{ border-color:rgb(162, 3, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 3, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 3, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 3, 52);  
box-shadow:4px 4px 4px 4px rgb(162, 3, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 61.512, 18.931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 3, 52) }
```

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

```
.background{ background-color: rgb(162, 3,  
52) }
```

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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