

Converting Colors

CIELCh(34, 62.912, 4.524)

Have a look what the booklet for
CIELCh(34, 62.912, 4.524) contains.

CIELCh(35, 60.686, 5.635)	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(35, 60.686, 5.635)

Conversions

Conversions Part 1

Format	Color
Hex	A5014B
RGB	165, 1, 75
RGB Percent	65%, 0%, 29%
CMY	0.3546, 0.9946, 0.7041
CMYK	0.00, 0.99, 0.54, 0.35
HSL	333°, 98%, 33%
HSV	333°, 99%, 65%
XYZ	16.7312, 8.4984, 7.4967
YIQ	58.4720, 73.9900, 57.7820

Conversions

Conversions Part 2

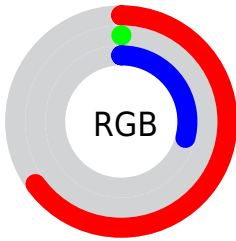
Format	Color
RYB	165, 1, 75
Decimal	10813771
CIELab	35.00, 60.39, 5.96
CIELCh	35, 60.686, 5.635
Yxy	8.4984, 0.5112, 0.2597
Android (android.graphics.Color)	4289003851 (0xFFA5014B)
YUV	58.4720, 8.1483, 93.4251
Hunter-Lab	29.1520, 51.4305, 5.1594

Details

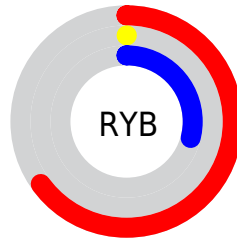
The CIELCh color **35, 60.686, 5.635** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **59, 60.532, 151.972**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 60.734, 6.086**, and **21, 45.257, 17.732** is the 20% darker color. If you saturate the color by 10%, you get **35, 60.839, 5.977**, and if you desaturate by 10%, it is **36, 58.865, 1.567**.

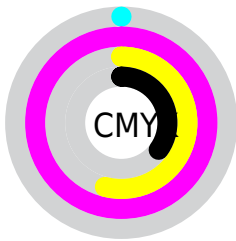
Distribution



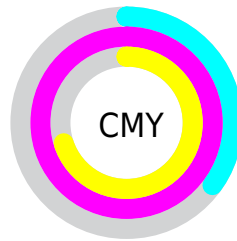
- Red (65%)
- Green (0%)
- Blue (29%)



- Red (65%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (99%)
- Yellow (54%)
- Black (35%)



- Cyan (35%)
- Magenta (99%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 60.686, 5.635 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 35, 60.686, 5.635 by changing the saturation by 10% instead.

 35, 60.686, 5.635

 35, 60.686, 5.635

 100, 60.686, 5.635

 25, 60.686, 5.635

 55, 60.686, 5.635

 15, 60.686, 5.635

 65, 60.686, 5.635

 5, 60.686, 5.635

 75, 60.686, 5.635

 0, 60.686, 5.635

 85, 60.686, 5.635

 95, 60.686, 5.635

 35, 60.686, 5.635

 35, 60.686, 5.635

 35, 60.839, 5.977

 36, 58.865, 1.567

 38, 55.785,

358.195

■ 40, 51.125,
355.528

■ 43, 45.118,
353.399

■ 46, 38.136,
351.668

■ 50, 30.559,
350.225

■ 54, 22.701,
348.993

■ 59, 14.794,
347.916

■ 63, 6.990, 346.943

Harmonies

Complementary

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



35, 60.686, 5.635



59, 60.532, 151.972

Rectangle

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



35, 60.686, 5.635



35, 60.686, 55.635



35, 60.686, 185.635



35, 60.686, 235.635

Sweetspot

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



35, 60.683, 5.637



69, 28.954, 349.154



26, 88.841, 312.813



34, 19.748, 349.633



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



35, 60.683, 5.637



46, 74.016, 6.949



34, 74.229, 40.010



32, 4.284, 346.951



31, 55.548, 5.438



1, 6.404, 348.729

Inverse Universe

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



35, 60.683, 5.637



46, 74.016, 6.949



59, 34.466, 201.695



32, 4.284, 346.951



31, 55.548, 5.438



1, 6.404, 348.729

Previews

White Background



This preview shows how the CIE LCh color 35, 60.686, 5.635 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 35, 60.686, 5.635 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 35, 60.686, 5.635

Background



This preview shows how black text looks on a background with the CIELCh color 35, 60.686, 5.635.



This preview shows how white text looks on a background with the CIELCh color 35, 60.686, 5.635.

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
35, 60.833, 5.995

Protanopia
36, 15.579, 285.805

Deuteranopia
36, 11.351, 64.738



Tritanopia
36, 63.287, 34.001

Trichromacy



Original Color
35, 60.833, 5.995

Protanomaly
31, 34.266, 335.033

Deuteranomaly
32, 32.623, 6.895

Tritanomaly
35, 61.023, 23.847

Monochromacy



Original Color
35, 60.833, 5.995

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 30.212, 352.867

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 60.686, 5.635 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(165, 1, 75)` looks like.

```
.text, #text, p{  
    color:rgb(165, 1, 75)  
}
```

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(165, 1, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 1, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 60.686, 5.635 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(165, 1, 75) }
```

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

```
.border{ border-color:rgb(165, 1, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 1, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 1, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 1, 75);  
box-shadow:4px 4px 4px 4px rgb(165, 1, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 60.686, 5.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 1, 75) }
```

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

```
.background{ background-color: rgb(165, 1,  
75) }
```

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