

Converting Colors

CIELCh(35, 60.115, 19.798)

Have a look what the booklet for
CIELCh(35, 60.115, 19.798) contains.

CIELCh(35, 59.986, 19.878)	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, 59.986, 19.878)

Conversions

Conversions Part 1

Format	Color
Hex	A31235
RGB	163, 18, 53
RGB Percent	64%, 7%, 21%
CMY	0.3595, 0.9311, 0.7912
CMYK	0.00, 0.89, 0.67, 0.36
HSL	345°, 81%, 35%
HSV	345°, 89%, 64%
XYZ	16.0282, 8.4984, 4.1923
YIQ	65.3450, 75.1850, 41.6250

Conversions

Conversions Part 2

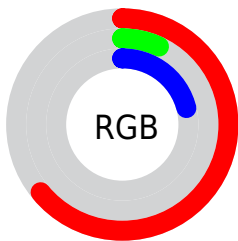
Format	Color
R_{YB}	163, 18, 53
Decimal	10687029
CIE _{Lab}	35.00, 56.41, 20.40
CIE _{LCh}	35, 59.986, 19.878
Yxy	8.4984, 0.5581, 0.2959
Android (android.graphics.Color)	4288877109 (0xFFA31235)
YUV	65.3450, -6.0861, 85.6434
Hunter-Lab	29.1520, 47.1262, 11.8800

Details

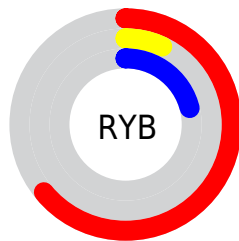
The CIELCh color **35, 59.986, 19.878** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **60, 44.699, 168.796**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 59.696, 20.281**, and **20, 49.323, 32.316** is the 20% darker color. If you saturate the color by 10%, you get **34, 64.145, 24.970**, and if you desaturate by 10%, it is **37, 55.159, 15.359**.

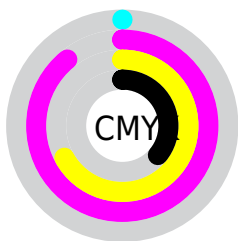
Distribution



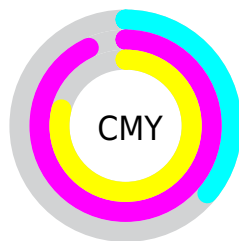
- Red (64%)
- Green (7%)
- Blue (21%)



- Red (64%)
- Yellow (7%)
- Blue (21%)



- Cyan (0%)
- Magenta (89%)
- Yellow (67%)
- Black (36%)



- Cyan (36%)
- Magenta (93%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 59.986, 19.878 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, 59.986, 19.878 by changing the saturation by 10% instead.

 35, 59.986, 19.878

 35, 59.986, 19.878

 100, 59.986,
19.878

 25, 59.986, 19.878

 55, 59.986, 19.878

 15, 59.986, 19.878

 65, 59.986, 19.878

 5, 59.986, 19.878

 75, 59.986, 19.878

 0, 59.986, 19.878

 85, 59.986, 19.878

 95, 59.986, 19.878

 35, 59.986, 19.878

 35, 59.986, 19.878

 34, 64.145, 24.970

 37, 55.159, 15.359

34, 64.477, 25.335

39, 49.359, 11.691

42, 42.722, 8.777

46, 35.527, 6.463

50, 28.072, 4.604

54, 20.604, 3.082

58, 13.294, 1.807

63, 6.244, 0.699

67, 0.495, 180.705

Harmonies

Complementary

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



35, 59.986, 19.878



60, 44.699, 168.796

Rectangle

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



35, 59.986, 19.878



35, 59.986, 69.878



35, 59.986, 199.878



35, 59.986, 249.878

Sweetspot

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



35, 59.983, 19.880



70, 23.418, 2.843



33, 81.593, 319.540



35, 15.997, 3.290



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, 59.983, 19.880



45, 78.830, 26.476



39, 62.139, 45.488



32, 3.819, 0.701



30, 58.946, 24.722



1, 5.763, 1.609

Inverse Universe

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



35, 59.983, 19.880



45, 78.830, 26.476



49, 31.275, 241.240



32, 3.819, 0.701



30, 58.946, 24.722



1, 5.763, 1.609

Previews

White Background



This preview shows how the CIELCh color 35, 59.986, 19.878 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, 59.986, 19.878 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, 59.986, 19.878

Background



This preview shows how black text looks on a background with the CIELCh color 35, 59.986, 19.878.



This preview shows how white text looks on a background with the CIELCh color 35, 59.986, 19.878.

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, 59.842, 20.011

Protanopia

36, 4.525, 92.386

Deuteranopia

36, 24.094, 78.100



Tritanopia
35, 64.989, 35.224

Trichromacy



Original Color
35, 59.842, 20.011

Protanomaly
32, 25.684, 13.389

Deuteranomaly
33, 34.493, 33.421

Tritanomaly
35, 62.665, 30.274

Monochromacy



Original Color
35, 59.842, 20.011

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 25.539, 6.584

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 59.986, 19.878 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(163, 18, 53)` looks like.

```
.text, #text, p{  
    color:rgb(163, 18, 53)  
}
```

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(163, 18, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 18, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 59.986, 19.878 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(163, 18, 53) }
```

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

```
.border{ border-color:rgb(163, 18, 53) }
```

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

Here you see how a box with a 4 pixel rgb(163, 18, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 18, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 18, 53);  
box-shadow:4px 4px 4px 4px rgb(163, 18,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 59.986, 19.878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 18, 53) }
```

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

```
.background{ background-color: rgb(163, 18,  
53) }
```

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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