

Converting Colors

CIELCh(32, 74.160, 22.887)

Have a look what the booklet for
CIELCh(32, 74.160, 22.887) contains.

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Color

CIELCh(35, 67.381, 28.393)

Conversions

Conversions Part 1

Format	Color
Hex	A80123
RGB	168, 1, 35
RGB Percent	66%, 0%, 14%
CMY	0.3399, 0.9971, 0.8619
CMYK	0.00, 1.00, 0.79, 0.34
HSL	348°, 99%, 33%
HSV	348°, 100%, 66%
XYZ	16.5319, 8.4984, 2.3762
YIQ	54.8090, 88.6180, 45.9780

Conversions

Conversions Part 2

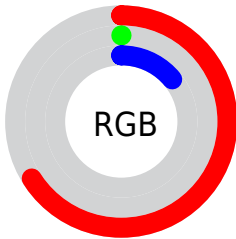
Format	Color
RYB	168, 1, 35
Decimal	11010339
CIELab	35.00, 59.28, 32.04
CIELCh	35, 67.381, 28.393
Yxy	8.4984, 0.6032, 0.3101
Android (android.graphics.Color)	4289200419 (0xFFA80123)
YUV	54.8090, -9.7658, 99.2685
Hunter-Lab	29.1520, 50.2101, 15.5737

Details

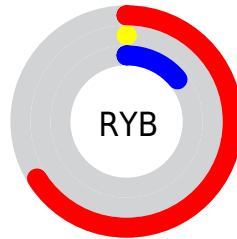
The CIELCh color **35, 67.381, 28.393** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **62, 45.724, 170.479**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 67.503, 28.227**, and **21, 52.640, 36.561** is the 20% darker color. If you saturate the color by 10%, you get **35, 67.591, 28.598**, and if you desaturate by 10%, it is **36, 62.642, 23.347**.

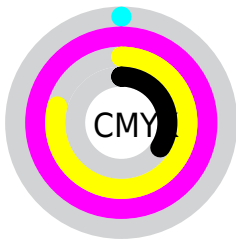
Distribution



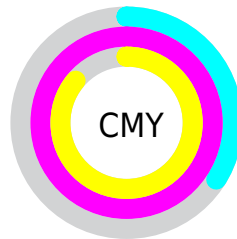
- Red (66%)
- Green (0%)
- Blue (14%)



- Red (66%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (34%)



- Cyan (34%)
- Magenta (100%)
- Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 67.381, 28.393 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, 67.381, 28.393 by changing the saturation by 10% instead.

 35, 67.381, 28.393

 35, 67.381, 28.393

 100, 67.381,
28.393

 25, 67.381, 28.393

 55, 67.381, 28.393

 15, 67.381, 28.393

 65, 67.381, 28.393

 5, 67.381, 28.393

 75, 67.381, 28.393

 0, 67.381, 28.393

 85, 67.381, 28.393

 95, 67.381, 28.393

 35, 67.381, 28.393

 35, 67.381, 28.393

 35, 67.591, 28.598

 36, 62.642, 23.347

■ 38, 57.291, 18.728

■ 40, 51.044, 14.930

■ 43, 44.033, 11.901

■ 47, 36.527, 9.501

■ 51, 28.819, 7.584

■ 55, 21.151, 6.028

■ 60, 13.688, 4.737

■ 64, 6.528, 3.626

Harmonies

Complementary

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



35, 67.381, 28.393



62, 45.724, 170.479

Rectangle

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



35, 67.381, 28.393



35, 67.381, 78.393



35, 67.381, 208.393



35, 67.381, 258.393

Sweetspot

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



35, 67.378, 28.395



70, 26.668, 6.167



33, 86.353, 320.193



34, 18.307, 6.769



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



35, 67.378, 28.395



46, 83.098, 29.687



39, 69.401, 46.861



33, 3.858, 3.596



30, 61.139, 27.951



1, 6.809, 5.008

Inverse Universe

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



35, 67.378, 28.395



46, 83.098, 29.687



48, 34.806, 252.371



33, 3.858, 3.596



30, 61.139, 27.951



1, 6.809, 5.008

Previews

White Background



This preview shows how the CIELCh color 35, 67.381, 28.393 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 35, 67.381, 28.393 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, 67.381, 28.393

Background



This preview shows how black text looks on a background with the CIELCh color 35, 67.381, 28.393.



This preview shows how white text looks on a background with the CIELCh color 35, 67.381, 28.393.

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, 67.292, 28.479

Protanopia

36, 19.362, 95.487

Deuteranopia

36, 36.699, 82.842



Tritanopia
35, 74.320, 40.312

Trichromacy



Original Color
35, 67.292, 28.479

Protanomaly
31, 33.565, 32.761

Deuteranomaly
32, 44.753, 44.859

Tritanomaly
35, 71.909, 36.855

Monochromacy



Original Color
35, 67.292, 28.479

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 29.623, 11.469

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 67.381, 28.393 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(168, 1, 35)` looks like.

```
.text, #text, p{  
    color:rgb(168, 1, 35)  
}
```

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(168, 1, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 1, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 67.381, 28.393 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(168, 1, 35) }
```

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

```
.border{ border-color:rgb(168, 1, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 1, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 1, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 1, 35);  
box-shadow:4px 4px 4px 4px rgb(168, 1, 35)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 67.381, 28.393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 1, 35) }
```

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

```
.background{ background-color: rgb(168, 1,  
35) }
```

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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