

Converting Colors

CIELCh(35, 68.844, 30.760)

Have a look what the booklet for
CIELCh(35, 68.844, 30.760) contains.

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Color

CIELCh(35, 68.975, 30.792)

Conversions

Conversions Part 1

Format	Color
Hex	A9001E
RGB	169, 0, 30
RGB Percent	66%, 0%, 12%
CMY	0.3385, 0.9987, 0.8832
CMYK	0.00, 1.00, 0.82, 0.34
HSL	350°, 100%, 33%
HSV	350°, 100%, 66%
XYZ	16.5277, 8.4984, 1.9831
YIQ	53.9510, 91.0940, 45.1580

Conversions

Conversions Part 2

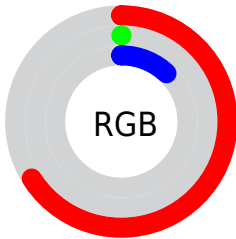
Format	Color
R_YB	169, 0, 30
Decimal	11075614
CIE _{Lab}	35.00, 59.25, 35.31
CIE _{LCh}	35, 68.975, 30.792
Y _{xy}	8.4984, 0.6119, 0.3146
Android (android.graphics.Color)	4289265694 (0xFFA9001E)
YUV	53.9510, -11.8078, 100.8980
Hunter-Lab	29.1520, 50.1841, 16.3731

Details

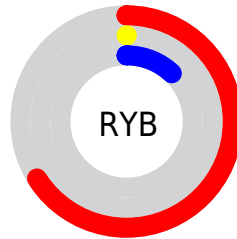
The CIELCh color **35, 68.975, 30.792** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **62, 44.100, 173.614**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 69.266, 30.833**, and **21, 52.640, 36.561** is the 20% darker color. If you saturate the color by 10%, you get **35, 69.073, 30.880**, and if you desaturate by 10%, it is **36, 63.871, 25.895**.

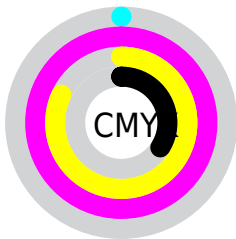
Distribution



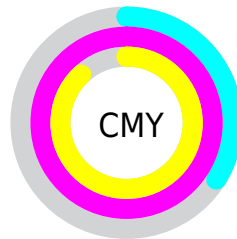
- Red (66%)
- Green (0%)
- Blue (12%)



- Red (66%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (82%)
- Black (34%)



- Cyan (34%)
- Magenta (100%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 68.975, 30.792 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, 68.975, 30.792 by changing the saturation by 10% instead.

 35, 68.975, 30.792

 35, 68.975, 30.792

 100, 68.975,
30.792

 25, 68.975, 30.792

 55, 68.975, 30.792

 15, 68.975, 30.792

 65, 68.975, 30.792

 5, 68.975, 30.792

 75, 68.975, 30.792

 0, 68.975, 30.792

 85, 68.975, 30.792

 95, 68.975, 30.792

 35, 68.975, 30.792

 35, 68.975, 30.792

 35, 69.073, 30.880

 36, 63.871, 25.895

■ 38, 58.163, 21.275

■ 40, 51.627, 17.426

■ 43, 44.402, 14.342

■ 47, 36.750, 11.900

■ 51, 28.953, 9.957

■ 55, 21.241, 8.390

■ 60, 13.773, 7.101

■ 64, 6.638, 6.000

Harmonies

Complementary

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



35, 68.975, 30.792



62, 44.100, 173.614

Rectangle

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



35, 68.975, 30.792



35, 68.975, 80.792



35, 68.975, 210.792



35, 68.975, 260.792

Sweetspot

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



35, 68.972, 30.794



70, 26.513, 8.495



34, 86.143, 321.344



34, 18.219, 9.097



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, 68.972, 30.794



46, 84.832, 31.909



40, 68.452, 48.489



33, 3.819, 5.945



30, 62.353, 30.250



1, 6.747, 7.086

Inverse Universe

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



35, 68.972, 30.794



46, 84.832, 31.909



46, 36.750, 258.692



33, 3.819, 5.945



30, 62.353, 30.250



1, 6.747, 7.086

Previews

White Background



This preview shows how the CIELCh color 35, 68.975, 30.792 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, 68.975, 30.792 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, 68.975, 30.792

Background



This preview shows how black text looks on a background with the CIELCh color 35, 68.975, 30.792.



This preview shows how white text looks on a background with the CIELCh color 35, 68.975, 30.792.

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, 69.061, 30.709

Protanopia

36, 23.515, 95.442

Deuteranopia

36, 40.381, 83.335



Tritanopia
35, 75.084, 41.038

Trichromacy



Original Color
35, 69.061, 30.709

Protanomaly
31, 35.775, 38.042

Deuteranomaly
32, 47.630, 48.018

Tritanomaly
35, 72.876, 37.931

Monochromacy



Original Color
35, 69.061, 30.709

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 30.196, 14.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 68.975, 30.792 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(169, 0, 30)` looks like.

```
.text, #text, p{  
    color:rgb(169, 0, 30)  
}
```

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(169, 0, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 0, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 68.975, 30.792 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(169, 0, 30) }
```

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

```
.border{ border-color:rgb(169, 0, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 0, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 0, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 0, 30);  
box-shadow:4px 4px 4px 4px rgb(169, 0, 30)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 68.975, 30.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 0, 30) }
```

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

```
.background{ background-color: rgb(169, 0,  
30) }
```

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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