

Converting Colors

CIELCh(35, 68.987, 44.210)

Have a look what the booklet for
CIELCh(35, 68.987, 44.210) contains.

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Color

CIELCh(35, 68.986, 44.210)

Conversions

Conversions Part 1

Format	Color
Hex	9F2200
RGB	159, 34, 0
RGB Percent	62%, 13%, 0%
CMY	0.3769, 0.8670, 1.0000
CMYK	0.00, 0.79, 1.00, 0.38
HSL	13°, 100%, 31%
HSV	13°, 100%, 62%
XYZ	14.8464, 8.4984, 0.8558
YIQ	67.4990, 85.4140, 15.9260

Conversions

Conversions Part 2

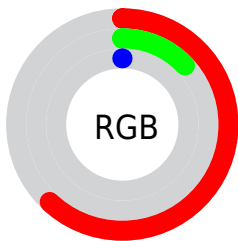
Format	Color
R_{YB}	159, 43, 0
Decimal	10428928
CIE _{Lab}	35.00, 49.45, 48.10
CIE _{LCh}	35, 68.986, 44.210
Yxy	8.4984, 0.6135, 0.3512
Android (android.graphics.Color)	4288619008 (0xFF9F2200)
YUV	67.4990, -33.2770, 80.2464
Hunter-Lab	29.1520, 39.8897, 18.6658

Details

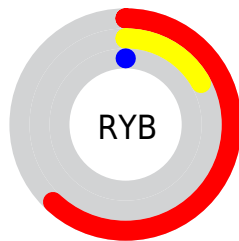
The CIELCh color **35, 68.986, 44.210** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **48, 31.042, 237.950**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 68.971, 44.130**, and **18, 48.773, 35.419** is the 20% darker color. If you saturate the color by 10%, you get **35, 68.965, 44.195**, and if you desaturate by 10%, it is **37, 62.407, 43.646**.

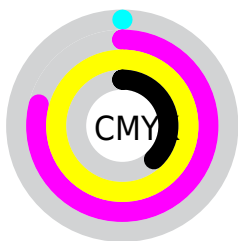
Distribution



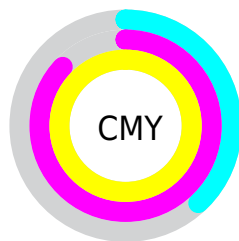
- Red (62%)
- Green (13%)
- Blue (0%)



- Red (62%)
- Yellow (17%)
- Blue (0%)



- Cyan (0%)
- Magenta (79%)
- Yellow (100%)
- Black (38%)



- Cyan (38%)
- Magenta (87%)
- Yellow (100%)
- Black (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 68.986, 44.210 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, 68.986, 44.210 by changing the saturation by 10% instead.

 35, 68.986, 44.210

 35, 68.986, 44.210

 100, 68.986,
44.210

 25, 68.986, 44.210

 55, 68.986, 44.210

 15, 68.986, 44.210

 65, 68.986, 44.210

 5, 68.986, 44.210

 75, 68.986, 44.210

 0, 68.986, 44.210

 85, 68.986, 44.210

 95, 68.986, 44.210

 35, 68.986, 44.210

 35, 68.986, 44.210

 35, 68.965, 44.195

 37, 62.407, 43.646

■ 39, 54.862, 42.997

■ 41, 46.788, 42.182

■ 44, 38.787, 41.481

■ 47, 31.130, 40.981

■ 51, 23.932, 40.687

■ 54, 17.233, 40.572

■ 58, 11.030, 40.598

■ 62, 5.297, 40.711

Harmonies

Complementary

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



35, 68.986, 44.210



48, 31.042, 237.950

Rectangle

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



35, 68.986, 44.210



35, 68.986, 94.210



35, 68.986, 224.210



35, 68.986, 274.210

Sweetspot

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



35, 68.965, 44.195



69, 21.386, 40.574



36, 69.606, 338.018



35, 14.948, 40.604



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



35, 68.965, 44.195



46, 84.391, 43.737



50, 58.200, 79.101



31, 2.974, 40.720



31, 63.295, 44.184



2, 3.786, 39.749

Inverse Universe

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



48, 31.042, 237.950



62, 37.816, 238.820



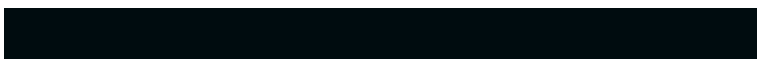
26, 71.432, 297.955



32, 2.814, 221.452



44, 28.674, 237.535



3, 3.713, 225.029

Previews

White Background



This preview shows how the CIELCh color 35, 68.986, 44.210 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, 68.986, 44.210 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, 68.986, 44.210

Background



This preview shows how black text looks on a background with the CIELCh color 35, 68.986, 44.210.



This preview shows how white text looks on a background with the CIELCh color 35, 68.986, 44.210.

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, 68.986, 44.210

Protanopia

36, 37.251, 95.979

Deuteranopia

36, 44.207, 84.948



Tritanopia
35, 60.733, 33.335

Trichromacy



Original Color
35, 68.986, 44.210

Protanomaly
34, 43.255, 64.641

Deuteranomaly
34, 49.875, 62.280

Tritanomaly
35, 64.015, 38.512

Monochromacy



Original Color
35, 68.986, 44.210

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 24.728, 40.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 68.986, 44.210 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(159, 34, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 34, 0)  
}
```

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(159, 34, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 34, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 68.986, 44.210 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(159, 34, 0) }
```

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

```
.border{ border-color:rgb(159, 34, 0) }
```

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

Here you see how a box with a 4 pixel rgb(159, 34, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 34, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 34, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 34, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 68.986, 44.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 34, 0) }
```

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

```
.background{ background-color: rgb(159, 34,  
0) }
```

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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