

Converting Colors

CIELCh(35, 44.559, 51.108)

Have a look what the booklet for
CIELCh(35, 44.559, 51.108) contains.

CIELCh(35, 44.535, 50.994)	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, 44.535, 50.994)

Conversions

Conversions Part 1

Format	Color
Hex	853E1B
RGB	133, 62, 27
RGB Percent	52%, 24%, 11%
CMY	0.4787, 0.7571, 0.8943
CMYK	0.00, 0.53, 0.80, 0.48
HSL	20°, 66%, 31%
HSV	20°, 80%, 52%
XYZ	11.5781, 8.4984, 2.0636
YIQ	79.2390, 53.5510, 4.1670

Conversions

Conversions Part 2

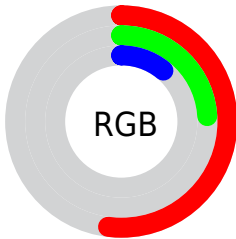
Format	Color
R_{YB}	133, 79, 27
Decimal	8732187
CIE Lab	35.00, 28.03, 34.61
CIE LCh	35, 44.535, 50.994
Yxy	8.4984, 0.5229, 0.3838
Android (android.graphics.Color)	4286922267 (0xFF853E1B)
YUV	79.2390, -25.7538, 47.1484
Hunter-Lab	29.1520, 19.8776, 16.2093

Details

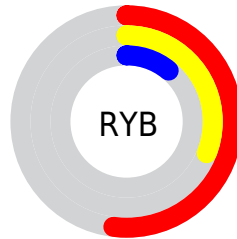
The CIELCh color **35, 44.535, 50.994** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **39, 27.041, 251.155**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 44.555, 50.826**, and **15, 36.379, 39.418** is the 20% darker color. If you saturate the color by 10%, you get **33, 50.711, 50.395**, and if you desaturate by 10%, it is **37, 38.003, 51.362**.

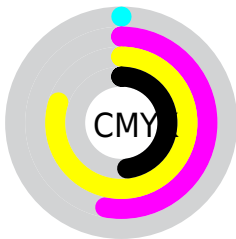
Distribution



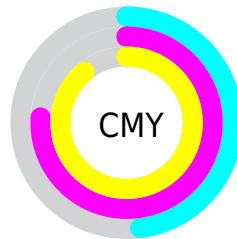
- Red (52%)
- Green (24%)
- Blue (11%)



- Red (52%)
- Yellow (31%)
- Blue (11%)



- Cyan (0%)
- Magenta (53%)
- Yellow (80%)
- Black (48%)



- Cyan (48%)
- Magenta (76%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 44.535, 50.994 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, 44.535, 50.994 by changing the saturation by 10% instead.

35, 44.535, 50.994

35, 44.535, 50.994

100, 44.535,
50.994

25, 44.535, 50.994

55, 44.535, 50.994

15, 44.535, 50.994

65, 44.535, 50.994

5, 44.535, 50.994

75, 44.535, 50.994

0, 44.535, 50.994

85, 44.535, 50.994

95, 44.535, 50.994

35, 44.535, 50.994

35, 44.535, 50.994

33, 50.711, 50.395

37, 38.003, 51.362

31, 56.419, 49.788

39, 31.552, 51.708

31, 56.575, 49.783

42, 25.378, 52.118

45, 19.559, 52.615

47, 14.116, 53.194

50, 9.039, 53.837

53, 4.304, 54.504

56, 0.119, 238.370

58, 4.263, 236.194

Harmonies

Complementary

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



35, 44.535, 50.994



39, 27.041, 251.155

Rectangle

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



35, 44.535, 50.994



35, 44.535, 100.994



35, 44.535, 230.994



35, 44.535, 280.994

Sweetspot

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



35, 44.534, 50.997



63, 13.898, 53.521



31, 52.823, 342.160



31, 9.612, 53.327



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



35, 44.534, 50.997



42, 66.961, 49.429



48, 47.333, 92.235



27, 2.484, 54.543



31, 55.570, 49.797



0, 0.579, 55.308

Inverse Universe

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



39, 27.041, 251.155



47, 37.471, 259.373



23, 56.745, 296.945



27, 2.379, 236.171



35, 30.750, 259.883



0, 0.579, 235.326

Previews

White Background



This preview shows how the CIELCh color 35, 44.535, 50.994 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, 44.535, 50.994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

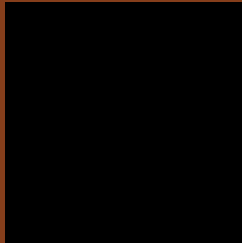
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 35, 44.535, 50.994

Background



This preview shows how black text looks on a background with the CIELCh color 35, 44.535, 50.994.



This preview shows how white text looks on a background with the CIELCh color 35, 44.535, 50.994.

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, 44.535, 50.994

Protanopia

35, 30.261, 95.425

Deuteranopia

35, 36.503, 83.375



Tritanopia
35, 35.672, 22.432

Trichromacy



Original Color
35, 44.535, 50.994

Protanomaly
35, 32.327, 73.497

Deuteranomaly
35, 38.015, 69.498

Tritanomaly
35, 38.140, 34.717

Monochromacy



Original Color
35, 44.535, 50.994

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 15.127, 53.033

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 44.535, 50.994 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(133, 62, 27)` looks like.

```
.text, #text, p{  
    color:rgb(133, 62, 27)  
}
```

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(133, 62, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 62, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 44.535, 50.994 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(133, 62, 27) }
```

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

```
.border{ border-color:rgb(133, 62, 27) }
```

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

Here you see how a box with a 4 pixel rgb(133, 62, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 62, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 62, 27);  
box-shadow:4px 4px 4px 4px rgb(133, 62,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 44.535, 50.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 62, 27) }
```

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

```
.background{ background-color: rgb(133, 62,  
27) }
```

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