

# Converting Colors

CIELCh(35, 50.536, 47.979)

Have a look what the booklet for  
CIELCh(35, 50.536, 47.979) contains.

<b>CIELCh(35, 50.499, 47.829)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

**Color**

**CIELCh(35, 50.499, 47.829)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8C3816
RGB	140, 56, 22
RGB Percent	55%, 22%, 9%
CMY	0.4501, 0.7797, 0.9131
CMYK	0.00, 0.60, 0.84, 0.45
HSL	17°, 73%, 32%
HSV	17°, 84%, 55%
XYZ	12.4206, 8.4984, 1.7533
YIQ	77.2400, 60.9780, 7.2340

# Conversions

## Conversions Part 2

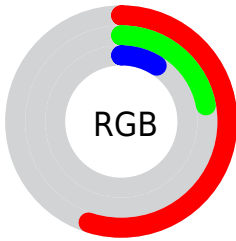
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	140, 70, 22
Decimal	9189398
CIE <sub>Lab</sub>	35.00, 33.90, 37.43
CIE <sub>LCh</sub>	35, 50.499, 47.829
Yxy	8.4984, 0.5478, 0.3748
Android (android.graphics.Color)	4287379478 (0xFF8C3816)
YUV	77.2400, -27.2333, 55.0405
Hunter-Lab	29.1520, 25.0364, 16.8406

# Details

The CIELCh color **35, 50.499, 47.829** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **42, 27.914, 245.864**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 50.401, 47.993**, and **15, 41.339, 34.522** is the 20% darker color. If you saturate the color by 10%, you get **33, 56.741, 47.440**, and if you desaturate by 10%, it is **37, 43.559, 47.858**.

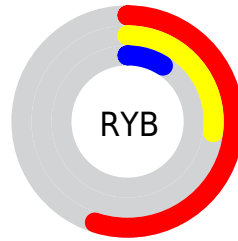
# Distribution



Red (55%)

Green (22%)

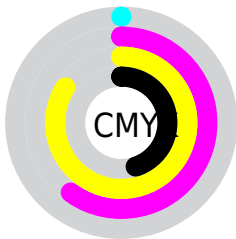
Blue (9%)



Red (55%)

Yellow (27%)

Blue (9%)

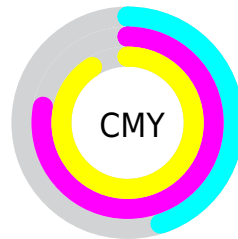


Cyan (0%)

Magenta (60%)

Yellow (84%)

Black (45%)



Cyan (45%)

Magenta (78%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 50.499, 47.829 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, 50.499, 47.829 by changing the saturation by 10% instead.



35, 50.499, 47.829

35, 50.499, 47.829

100, 50.499,  
47.829

25, 50.499, 47.829

55, 50.499, 47.829

15, 50.499, 47.829

65, 50.499, 47.829

5, 50.499, 47.829

75, 50.499, 47.829

0, 50.499, 47.829

85, 50.499, 47.829

95, 50.499, 47.829

35, 50.499, 47.829

35, 50.499, 47.829

33, 56.741, 47.440

37, 43.559, 47.858

32, 60.300, 47.467

40, 36.555, 47.830

42, 29.792, 47.885

45, 23.400, 48.062

48, 17.423, 48.360

51, 11.864, 48.760

54, 6.702, 49.229

57, 1.906, 49.640

60, 2.559, 230.605

# Harmonies

# Complementary

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



35, 50.499, 47.829



42, 27.914, 245.864

# Rectangle

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



35, 50.499, 47.829



35, 50.499, 97.829



35, 50.499, 227.829



35, 50.499, 277.829

# Sweetspot

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



35, 50.497, 47.832



64, 15.183, 48.701



32, 57.554, 340.886



32, 10.565, 48.572



88, 0.010, 296.813



39, 0.006, 296.813



# Same Dimension

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



35, 50.497, 47.832



42, 73.531, 46.919



49, 50.165, 89.125



27, 2.577, 49.470



30, 57.604, 47.472



1, 1.161, 50.086





# Inverse Universe

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



42, 27.914, 245.864



51, 37.161, 253.795



24, 60.237, 296.840



28, 2.456, 230.803



37, 29.259, 252.367



1, 1.161, 230.106



# Previews

## White Background



This preview shows how the CIELCh color 35, 50.499, 47.829 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, 50.499, 47.829 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

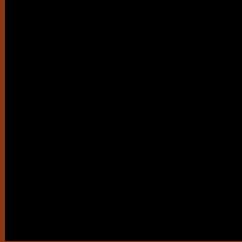
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 35, 50.499, 47.829

## Background



This preview shows how black text looks on a background with the CIELCh color 35, 50.499, 47.829.



This preview shows how white text looks on a background with the CIELCh color 35, 50.499, 47.829.

# 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, 50.499, 47.829

### Protanopia

35, 32.288, 95.631

### Deuteranopia

35, 40.392, 83.867



**Tritanopia**  
35, 41.619, 25.280



# Trichromacy



**Original Color**  
35, 50.499, 47.829

**Protanomaly**  
34, 34.633, 71.264

**Deuteranomaly**  
35, 42.056, 68.179

**Tritanomaly**  
35, 44.214, 34.781

# Monochromacy



**Original Color**  
35, 50.499, 47.829

**Achromatopsia**  
33, 0.005, 296.813

**Achromatomaly**  
32, 17.130, 47.201

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 35, 50.499, 47.829 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(140, 56, 22)` looks like.

```
.text, #text, p{  
    color:rgb(140, 56, 22)  
}
```

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(140, 56, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 56, 22) }
```

## Border

The CSS property to change the border of an element to CIELCh 35, 50.499, 47.829 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(140, 56, 22) }
```

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

```
.border{ border-color:rgb(140, 56, 22) }
```

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

Here you see how a box with a 4 pixel rgb(140, 56, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 56, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 56, 22);  
box-shadow:4px 4px 4px 4px rgb(140, 56,  
22) }
```

# Background

The CSS property to change the background color of an element to CIELCh 35, 50.499, 47.829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 56, 22) }
```

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

```
.background{ background-color: rgb(140, 56,  
22) }
```

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