

Converting Colors

CIELCh(35, 64.637, 47.317)

Have a look what the booklet for
CIELCh(35, 64.637, 47.317) contains.

CIELCh(35, 64.637, 47.317)	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, 64.637, 47.317)

Conversions

Conversions Part 1

Format	Color
Hex	992C00
RGB	153, 44, 0
RGB Percent	60%, 17%, 0%
CMY	0.4018, 0.8290, 1.0000
CMYK	0.00, 0.71, 1.00, 0.40
HSL	17°, 100%, 30%
HSV	17°, 100%, 60%
XYZ	13.9348, 8.4984, 0.8969
YIQ	71.5750, 79.0880, 9.4240

Conversions

Conversions Part 2

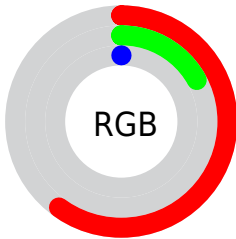
Format	Color
R_{YB}	153, 62, 0
Decimal	10038272
CIE _{Lab}	35.00, 43.82, 47.52
CIE _{LCh}	35, 64.637, 47.317
Yxy	8.4984, 0.5973, 0.3643
Android (android.graphics.Color)	4288228352 (0xFF992C00)
YUV	71.5750, -35.2865, 71.4097
Hunter-Lab	29.1520, 34.3078, 18.5822

Details

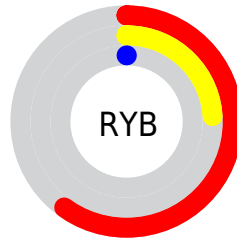
The CIELCh color **35, 64.637, 47.317** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **43, 32.459, 252.608**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 64.922, 47.198**, and **17, 46.587, 34.657** is the 20% darker color. If you saturate the color by 10%, you get **35, 64.545, 47.240**, and if you desaturate by 10%, it is **37, 58.206, 47.500**.

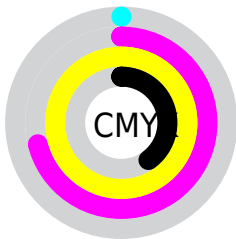
Distribution



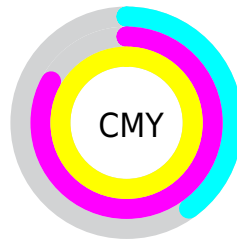
- Red (60%)
- Green (17%)
- Blue (0%)



- Red (60%)
- Yellow (24%)
- Blue (0%)



- Cyan (0%)
- Magenta (71%)
- Yellow (100%)
- Black (40%)



- Cyan (40%)
- Magenta (83%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 64.637, 47.317 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, 64.637, 47.317 by changing the saturation by 10% instead.

35, 64.637, 47.317

35, 64.637, 47.317

100, 64.637,
47.317

25, 64.637, 47.317

55, 64.637, 47.317

15, 64.637, 47.317

65, 64.637, 47.317

5, 64.637, 47.317

75, 64.637, 47.317

0, 64.637, 47.317

85, 64.637, 47.317

95, 64.637, 47.317

35, 64.637, 47.317

35, 64.637, 47.317

35, 64.545, 47.240

37, 58.206, 47.500

■ 39, 51.146, 47.698

■ 41, 43.619, 47.655

■ 44, 36.176, 47.628

■ 47, 29.062, 47.710

■ 50, 22.375, 47.922

■ 53, 16.143, 48.251

■ 56, 10.356, 48.674

■ 60, 4.986, 49.147

Harmonies

Complementary

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



35, 64.637, 47.317



43, 32.459, 252.608

Rectangle

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



35, 64.637, 47.317



35, 64.637, 97.317



35, 64.637, 227.317



35, 64.637, 277.317

Sweetspot

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



35, 64.545, 47.240



68, 20.087, 48.228



34, 63.764, 343.376



34, 13.874, 48.091



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



35, 64.545, 47.240



46, 79.155, 46.601



52, 57.895, 86.692



31, 2.816, 49.182



32, 60.381, 47.350



1, 2.956, 49.205

Inverse Universe

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



43, 32.459, 252.608



56, 39.828, 253.700



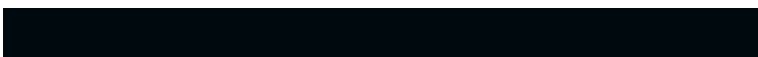
21, 77.234, 301.456



31, 2.681, 230.513



40, 30.438, 252.205



2, 2.949, 231.296

Previews

White Background



This preview shows how the CIELCh color 35, 64.637, 47.317 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, 64.637, 47.317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

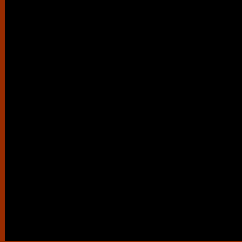
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 64.637, 47.317

Background



This preview shows how black text looks on a background with the CIELCh color 35, 64.637, 47.317.



This preview shows how white text looks on a background with the CIELCh color 35, 64.637, 47.317.

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, 64.637, 47.317

Protanopia

36, 38.034, 96.000

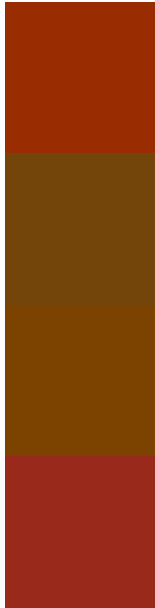
Deuteranopia

35, 44.069, 84.139



Tritanopia
35, 53.526, 30.400

Trichromacy



Original Color
35, 64.637, 47.317

Protanomaly
34, 42.377, 68.850

Deuteranomaly
34, 48.781, 65.081

Tritanomaly
35, 57.633, 38.392

Monochromacy



Original Color
35, 64.637, 47.317

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 23.253, 47.661

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 64.637, 47.317 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(153, 44, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 44, 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(153, 44, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 44, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 64.637, 47.317 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(153, 44, 0) }
```

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

```
.border{ border-color:rgb(153, 44, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 44, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 44, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 44, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 44, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 64.637, 47.317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 44, 0) }
```

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

```
.background{ background-color: rgb(153, 44,  
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](#).

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