

Converting Colors

CIELCh(35, 49.167, 36.863)

Have a look what the booklet for
CIELCh(35, 49.167, 36.863) contains.

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Color

CIELCh(35, 49.167, 36.863)

Conversions

Conversions Part 1

Format	Color
Hex	913225
RGB	145, 50, 37
RGB Percent	57%, 20%, 15%
CMY	0.4299, 0.8026, 0.8538
CMYK	0.00, 0.65, 0.74, 0.43
HSL	7°, 59%, 36%
HSV	7°, 74%, 57%
XYZ	13.2360, 8.4984, 2.7158
YIQ	76.9230, 60.7930, 16.0970

Conversions

Conversions Part 2

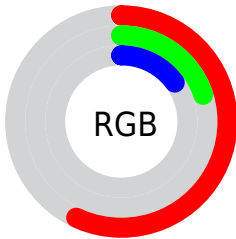
Format	Color
RYB	145, 52, 37
Decimal	9515557
CIELab	35.00, 39.34, 29.50
CIELCh	35, 49.167, 36.863
Yxy	8.4984, 0.5413, 0.3476
Android (android.graphics.Color)	4287705637 (0xFF913225)
YUV	76.9230, -19.6820, 59.7035
Hunter-Lab	29.1520, 30.0290, 14.8829

Details

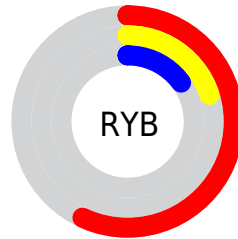
The CIELCh color **35, 49.167, 36.863** is a dark color, and the websafe version is hex **993333**, and the color name is **dyestalk red (bengara-iro)**. A complement of this color would be **51, 26.818, 213.711**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 49.193, 37.141**, and **16, 44.375, 33.785** is the 20% darker color. If you saturate the color by 10%, you get **33, 56.664, 38.783**, and if you desaturate by 10%, it is **38, 41.455, 35.140**.

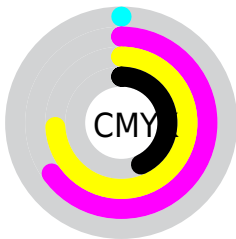
Distribution



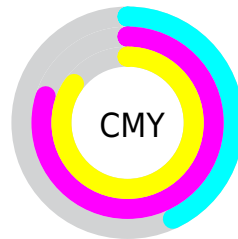
- Red (57%)
- Green (20%)
- Blue (15%)



- Red (57%)
- Yellow (20%)
- Blue (15%)



- Cyan (0%)
- Magenta (65%)
- Yellow (74%)
- Black (43%)



- Cyan (43%)
- Magenta (80%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 49.167, 36.863 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, 49.167, 36.863 by changing the saturation by 10% instead.

■ 35, 49.167, 36.863

■ 35, 49.167, 36.863

■ 100, 49.167,
36.863

■ 25, 49.167, 36.863

■ 55, 49.167, 36.863

■ 15, 49.167, 36.863

■ 65, 49.167, 36.863

■ 5, 49.167, 36.863

■ 75, 49.167, 36.863

■ 0, 49.167, 36.863

■ 85, 49.167, 36.863

■ 95, 49.167, 36.863

■ 35, 49.167, 36.863

■ 35, 49.167, 36.863

■ 33, 56.664, 38.783

■ 38, 41.455, 35.140

31, 63.190, 40.449

41, 33.893, 33.744

31, 66.320, 41.397

44, 26.664, 32.678

47, 19.862, 31.897

51, 13.525, 31.345

55, 7.655, 30.961

59, 2.232, 30.603

63, 2.780, 210.845

66, 7.419, 210.715

Harmonies

Complementary

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



35, 49.167, 36.863



51, 26.818, 213.711

Rectangle

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



35, 49.167, 36.863



35, 49.167, 86.863



35, 49.167, 216.863



35, 49.167, 266.863

Sweetspot

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



35, 49.165, 36.866



66, 14.996, 31.261



36, 62.187, 332.015



33, 10.140, 31.366



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



35, 49.165, 36.866



42, 74.027, 39.932



47, 43.539, 76.754



29, 2.992, 30.799



29, 63.401, 41.215



1, 2.529, 30.731

Inverse Universe

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



51, 26.818, 213.711



63, 34.628, 216.235



34, 42.168, 283.359



31, 2.824, 210.755



46, 27.895, 217.861



2, 2.529, 210.750

Previews

White Background



This preview shows how the CIELCh color 35, 49.167, 36.863 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, 49.167, 36.863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

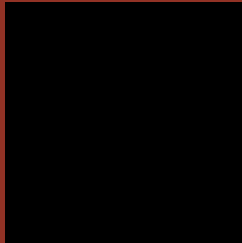
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 49.167, 36.863

Background



This preview shows how black text looks on a background with the CIELCh color 35, 49.167, 36.863.



This preview shows how white text looks on a background with the CIELCh color 35, 49.167, 36.863.

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, 49.167, 36.863

Protanopia

35, 21.767, 96.124

Deuteranopia

35, 31.902, 81.354



Tritanopia
35, 46.135, 27.411

Trichromacy



Original Color
35, 49.167, 36.863

Protanomaly
34, 27.055, 58.718

Deuteranomaly
35, 35.283, 59.088

Tritanomaly
35, 47.329, 30.829

Monochromacy



Original Color
35, 49.167, 36.863

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 16.929, 30.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 49.167, 36.863 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(145, 50, 37)` looks like.

```
.text, #text, p{  
    color:rgb(145, 50, 37)  
}
```

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(145, 50, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 50, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 49.167, 36.863 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(145, 50, 37) }
```

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

```
.border{ border-color:rgb(145, 50, 37) }
```

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

Here you see how a box with a 4 pixel rgb(145, 50, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 50, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 50, 37);  
box-shadow:4px 4px 4px 4px rgb(145, 50,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 49.167, 36.863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 50, 37) }
```

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

```
.background{ background-color: rgb(145, 50,  
37) }
```

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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