

Converting Colors

CIELCh(35, 49.667, 44.908)

Have a look what the booklet for
CIELCh(35, 49.667, 44.908) contains.

CIELCh(35, 49.468, 45.000)	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, 49.468, 45.000)

Conversions

Conversions Part 1

Format	Color
Hex	8D371B
RGB	141, 55, 27
RGB Percent	55%, 22%, 11%
CMY	0.4465, 0.7838, 0.8937
CMYK	0.00, 0.61, 0.81, 0.45
HSL	15°, 68%, 33%
HSV	15°, 81%, 55%
XYZ	12.5794, 8.4984, 2.0208
YIQ	77.5220, 60.2440, 9.5240

Conversions

Conversions Part 2

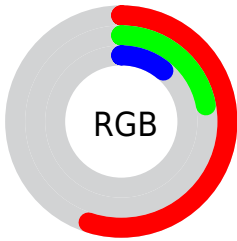
Format	Color
R_{YB}	141, 64, 27
Decimal	9254683
CIE _{Lab}	35.00, 34.98, 34.98
CIE _{LCh}	35, 49.468, 45.000
Yxy	8.4984, 0.5446, 0.3679
Android (android.graphics.Color)	4287444763 (0xFF8D371B)
YUV	77.5220, -24.9073, 55.6702
Hunter-Lab	29.1520, 26.0089, 16.2965

Details

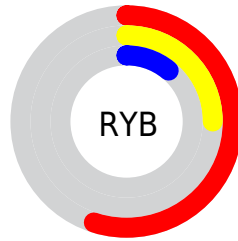
The CIELCh color **35, 49.468, 45.000** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **44, 26.684, 236.953**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 49.302, 44.820**, and **15, 42.187, 33.841** is the 20% darker color. If you saturate the color by 10%, you get **33, 56.237, 45.258**, and if you desaturate by 10%, it is **37, 42.241, 44.547**.

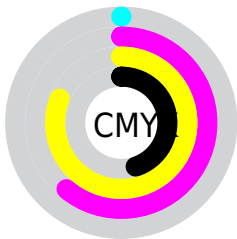
Distribution



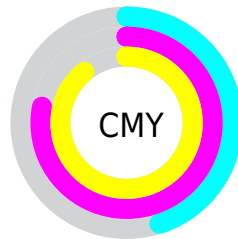
- Red (55%)
- Green (22%)
- Blue (11%)



- Red (55%)
- Yellow (25%)
- Blue (11%)



- Cyan (0%)
- Magenta (61%)
- Yellow (81%)
- Black (45%)



- Cyan (45%)
- Magenta (78%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 49.468, 45.000 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, 49.468, 45.000 by changing the saturation by 10% instead.

35, 49.468, 45.000

35, 49.468, 45.000

100, 49.468,
45.000

25, 49.468, 45.000

55, 49.468, 45.000

15, 49.468, 45.000

65, 49.468, 45.000

5, 49.468, 45.000

75, 49.468, 45.000

0, 49.468, 45.000

85, 49.468, 45.000

95, 49.468, 45.000

35, 49.468, 45.000

35, 49.468, 45.000

33, 56.237, 45.258

37, 42.241, 44.547

31, 61.832, 45.484

40, 35.090, 44.155

43, 28.250, 43.918

46, 21.819, 43.847

49, 15.828, 43.926

52, 10.272, 44.125

55, 5.128, 44.397

58, 0.361, 43.731

62, 4.066, 225.407

Harmonies

Complementary

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



35, 49.468, 45.000



44, 26.684, 236.953

Rectangle

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



35, 49.468, 45.000



35, 49.468, 95.000



35, 49.468, 225.000



35, 49.468, 275.000

Sweetspot

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



35, 49.466, 45.003



65, 14.912, 44.039



33, 58.718, 337.765



32, 10.337, 43.978



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, 49.466, 45.003



42, 73.877, 45.021



48, 47.793, 85.660



28, 2.691, 44.440



30, 59.657, 45.447



1, 1.761, 44.889

Inverse Universe

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



44, 26.684, 236.953



54, 35.165, 244.037



27, 53.923, 293.245



29, 2.554, 225.437



40, 28.231, 244.050



1, 1.761, 224.908

Previews

White Background



This preview shows how the CIELCh color 35, 49.468, 45.000 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, 49.468, 45.000 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, 49.468, 45.000

Background



This preview shows how black text looks on a background with the CIELCh color 35, 49.468, 45.000.



This preview shows how white text looks on a background with the CIELCh color 35, 49.468, 45.000.

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, 49.468, 45.000

Protanopia

35, 29.212, 95.291

Deuteranopia

35, 37.538, 82.941



Tritanopia
35, 42.589, 25.610

Trichromacy



Original Color
35, 49.468, 45.000

Protanomaly
34, 32.664, 68.620

Deuteranomaly
35, 39.472, 65.301

Tritanomaly
35, 44.666, 33.510

Monochromacy



Original Color
35, 49.468, 45.000

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 16.732, 45.479

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 49.468, 45.000 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(141, 55, 27)` looks like.

```
.text, #text, p{  
    color:rgb(141, 55, 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(141, 55, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 55, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 49.468, 45.000 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(141, 55, 27) }
```

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

```
.border{ border-color:rgb(141, 55, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 55, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 55, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 55, 27);  
box-shadow:4px 4px 4px 4px rgb(141, 55,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 49.468, 45.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 55, 27) }
```

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

```
.background{ background-color: rgb(141, 55,  
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](#).

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