

Converting Colors

CIELCh(36, 42.156, 43.519)

Have a look what the booklet for
CIELCh(36, 42.156, 43.519) contains.

CIELCh(36, 42.415, 43.602)	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(36, 42.415, 43.602)

Conversions

Conversions Part 1

Format	Color
Hex	8A3E27
RGB	138, 62, 39
RGB Percent	54%, 24%, 15%
CMY	0.4585, 0.7566, 0.8468
CMYK	0.00, 0.55, 0.72, 0.46
HSL	14°, 56%, 35%
HSV	14°, 72%, 54%
XYZ	12.5862, 9.0082, 2.9996
YIQ	82.1020, 52.6790, 8.9590

Conversions

Conversions Part 2

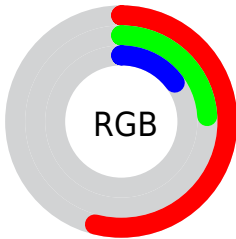
Format	Color
R_{YB}	138, 69, 39
Decimal	9059879
CIE Lab	36.00, 30.71, 29.25
CIE LCh	36, 42.415, 43.602
Yxy	9.0082, 0.5118, 0.3663
Android (android.graphics.Color)	4287249959 (0xFF8A3E27)
YUV	82.1020, -21.2493, 49.0225
Hunter-Lab	30.0136, 22.3304, 15.0840

Details

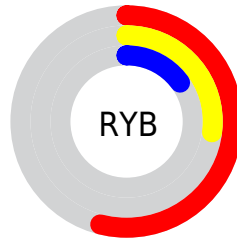
The CIELCh color **36, 42.415, 43.602** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **45, 24.561, 231.896**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 42.367, 43.864**, and **16, 39.744, 38.520** is the 20% darker color. If you saturate the color by 10%, you get **34, 49.544, 44.202**, and if you desaturate by 10%, it is **39, 35.326, 43.079**.

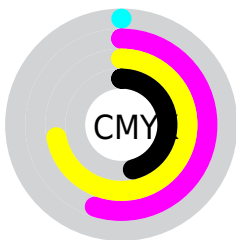
Distribution



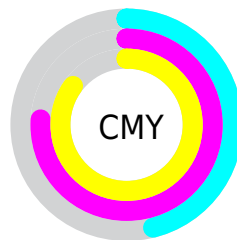
- Red (54%)
- Green (24%)
- Blue (15%)



- Red (54%)
- Yellow (27%)
- Blue (15%)



- Cyan (0%)
- Magenta (55%)
- Yellow (72%)
- Black (46%)



- Cyan (46%)
- Magenta (76%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 42.415, 43.602 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 36, 42.415, 43.602 by changing the saturation by 10% instead.

■ 36, 42.415, 43.602

■ 36, 42.415, 43.602

■ 100, 42.415,
43.602

■ 26, 42.415, 43.602

■ 56, 42.415, 43.602

■ 16, 42.415, 43.602

■ 66, 42.415, 43.602

■ 6, 42.415, 43.602

■ 76, 42.415, 43.602

■ 0, 42.415, 43.602

■ 86, 42.415, 43.602

■ 96, 42.415, 43.602

■ 36, 42.415, 43.602

■ 36, 42.415, 43.602

■ 34, 49.544, 44.202

■ 39, 35.326, 43.079

32, 56.166, 44.582

41, 28.529, 42.721

31, 61.075, 44.901

44, 22.131, 42.543

47, 16.167, 42.528

50, 10.636, 42.643

54, 5.516, 42.844

57, 0.775, 42.713

60, 3.623, 223.730

64, 7.716, 224.094

Harmonies

Complementary

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



36, 42.415, 43.602



45, 24.561, 231.896

Rectangle

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



36, 42.415, 43.602



36, 42.415, 93.602



36, 42.415, 223.602



36, 42.415, 273.602

Sweetspot

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



36, 42.413, 43.605



64, 13.330, 42.630



34, 54.595, 336.106



32, 9.003, 42.596



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



36, 42.413, 43.605



43, 64.859, 44.491



48, 42.261, 85.705



27, 2.625, 42.898



29, 59.047, 44.838



1, 1.180, 43.290

Inverse Universe

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



45, 24.561, 231.896



55, 32.648, 236.822



30, 45.290, 289.361



28, 2.490, 223.780



40, 27.508, 241.213



1, 1.180, 223.309

Previews

White Background



This preview shows how the CIELCh color 36, 42.415, 43.602 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 36, 42.415, 43.602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

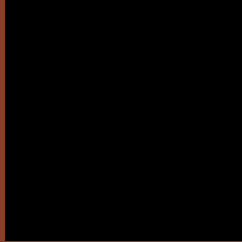
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 42.415, 43.602

Background



This preview shows how black text looks on a background with the CIELCh color 36, 42.415, 43.602.



This preview shows how white text looks on a background with the CIELCh color 36, 42.415, 43.602.

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

36, 42.415, 43.602

Protanopia

36, 23.951, 96.788

Deuteranopia

36, 30.815, 80.975



Tritanopia
36, 37.403, 22.872

Trichromacy



Original Color
36, 42.415, 43.602

Protanomaly
36, 26.808, 68.280

Deuteranomaly
36, 33.376, 63.555

Tritanomaly
36, 38.857, 31.350

Monochromacy



Original Color
36, 42.415, 43.602

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 14.052, 44.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 42.415, 43.602 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(138, 62, 39)` looks like.

```
.text, #text, p{  
    color:rgb(138, 62, 39)  
}
```

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(138, 62, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 62, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 42.415, 43.602 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(138, 62, 39) }
```

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

```
.border{ border-color:rgb(138, 62, 39) }
```

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

Here you see how a box with a 4 pixel rgb(138, 62, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 62, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 62, 39);  
box-shadow:4px 4px 4px 4px rgb(138, 62,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 42.415, 43.602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 62, 39) }
```

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

```
.background{ background-color: rgb(138, 62,  
39) }
```

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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