

Converting Colors

CIELCh(42, 37.951, 45.172)

Have a look what the booklet for
CIELCh(42, 37.951, 45.172) contains.

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Color

CIELCh(42, 38.132, 45.029)

Conversions

Conversions Part 1

Format	Color
Hex	965038
RGB	150, 80, 56
RGB Percent	59%, 31%, 22%
CMY	0.4119, 0.6864, 0.7805
CMYK	0.00, 0.47, 0.63, 0.41
HSL	15°, 46%, 40%
HSV	15°, 63%, 59%
XYZ	16.1522, 12.5000, 5.2997
YIQ	98.1940, 49.4240, 7.3760

Conversions

Conversions Part 2

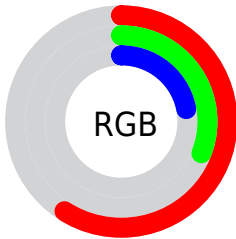
Format	Color
R _Y B	150, 88, 56
Decimal	9850936
CIE Lab	42.00, 26.95, 26.98
CIE LCh	42, 38.132, 45.029
Yxy	12.5000, 0.4757, 0.3682
Android (android.graphics.Color)	4288041016 (0xFF965038)
YUV	98.1940, -20.8016, 45.4339
Hunter-Lab	35.3553, 19.6764, 15.8613

Details

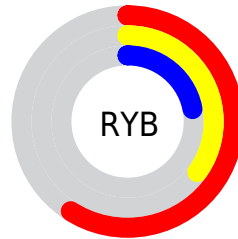
The CIELCh color **42, 38.132, 45.029** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **49, 24.219, 233.625**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 38.170, 44.326**, and **22, 38.217, 44.779** is the 20% darker color. If you saturate the color by 10%, you get **39, 45.653, 45.360**, and if you desaturate by 10%, it is **45, 30.896, 44.837**.

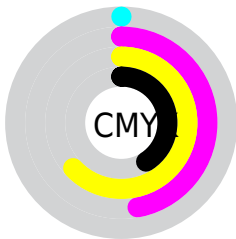
Distribution



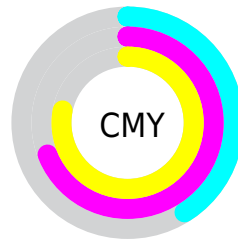
- Red (59%)
- Green (31%)
- Blue (22%)



- Red (59%)
- Yellow (35%)
- Blue (22%)



- Cyan (0%)
- Magenta (47%)
- Yellow (63%)
- Black (41%)



- Cyan (41%)
- Magenta (69%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 38.132, 45.029 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 42, 38.132, 45.029 by changing the saturation by 10% instead.

■ 42, 38.132, 45.029

■ 42, 38.132, 45.029

■ 100, 38.132,
45.029

■ 32, 38.132, 45.029

■ 62, 38.132, 45.029

■ 22, 38.132, 45.029

■ 72, 38.132, 45.029

■ 12, 38.132, 45.029

■ 82, 38.132, 45.029

■ 2, 38.132, 45.029

■ 92, 38.132, 45.029

■ 0, 38.132, 45.029

■ 42, 38.132, 45.029

■ 42, 38.132, 45.029

■ 39, 45.653, 45.360

■ 45, 30.896, 44.837

■ 37, 53.163, 45.699

■ 48, 24.078, 44.801

35, 59.996, 45.721

51, 17.718, 44.913

34, 64.648, 45.888

54, 11.818, 45.145

58, 6.353, 45.459

61, 1.289, 45.618

65, 3.412, 226.549

68, 7.791, 226.995

72, 11.883,
227.516

Harmonies

Complementary

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



42, 38.132, 45.029



49, 24.219, 233.625

Rectangle

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



42, 38.132, 45.029



42, 38.132, 95.029



42, 38.132, 225.029



42, 38.132, 275.029

Sweetspot

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



42, 38.131, 45.033



70, 12.047, 45.242



39, 51.819, 336.904



36, 8.352, 45.165



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



42, 38.131, 45.033



50, 58.663, 45.500



54, 40.839, 89.472



30, 2.762, 45.572



31, 60.330, 45.899



1, 2.341, 46.062

Inverse Universe

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



49, 24.219, 233.625



60, 33.018, 237.429



35, 43.864, 288.860



30, 2.622, 226.653



40, 28.913, 246.110



2, 2.341, 226.081

Previews

White Background



This preview shows how the CIELCh color 42, 38.132, 45.029 looks on a white background.

Color Contrast Check

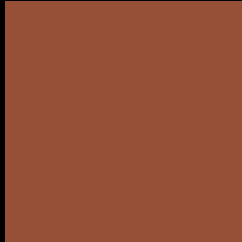
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 42, 38.132, 45.029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 38.132, 45.029

Background



This preview shows how black text looks on a background with the CIELCh color 42, 38.132, 45.029.



This preview shows how white text looks on a background with the CIELCh color 42, 38.132, 45.029.

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

42, 38.132, 45.029

Protanopia

42, 22.396, 95.973

Deuteranopia

42, 28.540, 78.889



Tritanopia
42, 33.810, 19.898

Trichromacy



Original Color
42, 38.132, 45.029

Protanomaly
42, 25.185, 70.773

Deuteranomaly
42, 30.508, 64.489

Tritanomaly
42, 34.332, 29.346

Monochromacy



Original Color
42, 38.132, 45.029

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 12.754, 42.858

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 38.132, 45.029 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(150, 80, 56)` looks like.

```
.text, #text, p{  
    color:rgb(150, 80, 56)  
}
```

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(150, 80, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 80, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 38.132, 45.029 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(150, 80, 56) }
```

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

```
.border{ border-color:rgb(150, 80, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 80, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 80, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 80, 56);  
box-shadow:4px 4px 4px 4px rgb(150, 80,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 38.132, 45.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 80, 56) }
```

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

```
.background{ background-color: rgb(150, 80,  
56) }
```

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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