

Converting Colors

CIELCh(37, 45.187, 59.602)

Have a look what the booklet for
CIELCh(37, 45.187, 59.602) contains.

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Color

CIELCh(37, 45.118, 59.685)

Conversions

Conversions Part 1

Format	Color
Hex	854716
RGB	133, 71, 22
RGB Percent	52%, 28%, 9%
CMY	0.4787, 0.7218, 0.9140
CMYK	0.00, 0.47, 0.83, 0.48
HSL	26°, 72%, 30%
HSV	26°, 83%, 52%
XYZ	12.0559, 9.5379, 1.9617
YIQ	83.9520, 52.6810, -2.0950

Conversions

Conversions Part 2

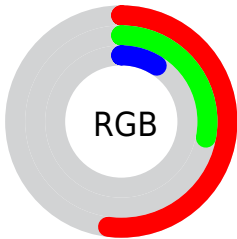
Format	Color
RYB	133, 110, 22
Decimal	8734486
CIELab	37.00, 22.77, 38.95
CIElCh	37, 45.118, 59.685
Yxy	9.5379, 0.5118, 0.4049
Android (android.graphics.Color)	4286924566 (0xFF854716)
YUV	83.9520, -30.5423, 43.0151
Hunter-Lab	30.8835, 15.6344, 17.8525

Details

The CIELCh color **37, 45.118, 59.685** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **34, 32.842, 268.993**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 45.328, 59.582**, and **17, 34.733, 48.231** is the 20% darker color. If you saturate the color by 10%, you get **35, 50.196, 57.998**, and if you desaturate by 10%, it is **39, 39.303, 60.959**.

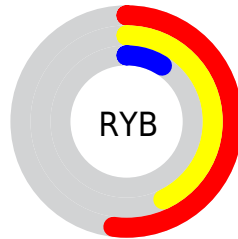
Distribution



Red (52%)

Green (28%)

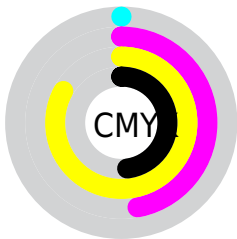
Blue (9%)



Red (52%)

Yellow (43%)

Blue (9%)

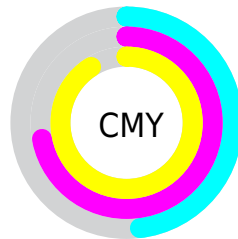


Cyan (0%)

Magenta (47%)

Yellow (83%)

Black (48%)



Cyan (48%)

Magenta (72%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 45.118, 59.685 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 37, 45.118, 59.685 by changing the saturation by 10% instead.

■ 37, 45.118, 59.685

■ 37, 45.118, 59.685

■ 100, 45.118,
59.685

■ 27, 45.118, 59.685

■ 57, 45.118, 59.685

■ 17, 45.118, 59.685

■ 67, 45.118, 59.685

■ 7, 45.118, 59.685

■ 77, 45.118, 59.685

■ 0, 45.118, 59.685

■ 87, 45.118, 59.685

■ 97, 45.118, 59.685

■ 37, 45.118, 59.685

■ 37, 45.118, 59.685

■ 35, 50.196, 57.998

■ 39, 39.303, 60.959

34, 53.588, 57.150

41, 33.286, 62.055

43, 27.355, 63.098

45, 21.645, 64.141

48, 16.208, 65.197

50, 11.056, 66.264

52, 6.177, 67.326

55, 1.554, 68.262

57, 2.837, 249.639

Harmonies

Complementary

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



37, 45.118, 59.685



34, 32.842, 268.993

Rectangle

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



37, 45.118, 59.685



37, 45.118, 109.685



37, 45.118, 239.685



37, 45.118, 289.685

Sweetspot

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



37, 45.117, 59.688



63, 14.702, 66.042



30, 50.626, 350.435



32, 10.071, 65.724



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



37, 45.117, 59.688



44, 65.498, 56.224



52, 52.727, 99.575



27, 2.546, 67.775



33, 52.710, 57.233



0, 0.598, 68.828

Inverse Universe

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



34, 32.842, 268.993



40, 47.825, 277.459



19, 68.214, 302.226



27, 2.475, 249.968



30, 37.910, 276.141



0, 0.598, 248.843

Previews

White Background



This preview shows how the CIELCh color 37, 45.118, 59.685 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 37, 45.118, 59.685 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 37, 45.118, 59.685

Background



This preview shows how black text looks on a background with the CIELCh color 37, 45.118, 59.685.



This preview shows how white text looks on a background with the CIELCh color 37, 45.118, 59.685.

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

37, 45.118, 59.685

Protanopia

37, 36.023, 96.208

Deuteranopia

37, 40.666, 82.898



Tritanopia
37, 31.829, 19.725

Trichromacy



Original Color
37, 45.118, 59.685

Protanomaly
37, 36.929, 80.608

Deuteranomaly
37, 41.504, 74.049

Tritanomaly
37, 34.498, 39.217

Monochromacy



Original Color
37, 45.118, 59.685

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 15.887, 64.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 45.118, 59.685 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(133, 71, 22)` looks like.

```
.text, #text, p{  
    color:rgb(133, 71, 22)  
}
```

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(133, 71, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 71, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 45.118, 59.685 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(133, 71, 22) }
```

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

```
.border{ border-color:rgb(133, 71, 22) }
```

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

Here you see how a box with a 4 pixel rgb(133, 71, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 71, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 71, 22);  
box-shadow:4px 4px 4px 4px rgb(133, 71,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 45.118, 59.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 71, 22) }
```

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

```
.background{ background-color: rgb(133, 71,  
22) }
```

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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