

Converting Colors

CIELCh(33, 38.124, 68.666)

Have a look what the booklet for
CIELCh(33, 38.124, 68.666) contains.

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Color

CIELCh(33, 37.847, 68.653)

Conversions

Conversions Part 1

Format	Color
Hex	6E4413
RGB	110, 68, 19
RGB Percent	43%, 27%, 7%
CMY	0.5677, 0.7325, 0.9246
CMYK	0.00, 0.38, 0.83, 0.57
HSL	32°, 70%, 25%
HSV	32°, 83%, 43%
XYZ	8.6593, 7.5373, 1.6241
YIQ	74.9720, 40.7610, -6.3350

Conversions

Conversions Part 2

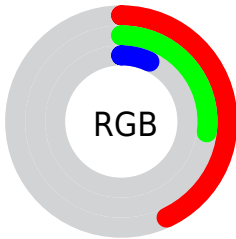
Format	Color
RYB	97, 110, 19
Decimal	7226387
CIELab	33.00, 13.78, 35.25
CIELCh	33, 37.847, 68.653
Yxy	7.5373, 0.4859, 0.4230
Android (android.graphics.Color)	4285416467 (0xFF6E4413)
YUV	74.9720, -27.5942, 30.7196
Hunter-Lab	27.4541, 8.2559, 15.7104

Details

The CIELCh color **33, 37.847, 68.653** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **26, 32.880, 278.703**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 37.558, 68.475**, and **13, 23.998, 54.988** is the 20% darker color. If you saturate the color by 10%, you get **32, 41.818, 66.774**, and if you desaturate by 10%, it is **34, 33.246, 70.221**.

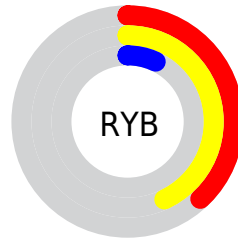
Distribution



Red (43%)

Green (27%)

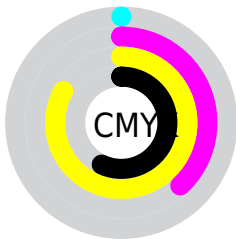
Blue (7%)



Red (38%)

Yellow (43%)

Blue (7%)

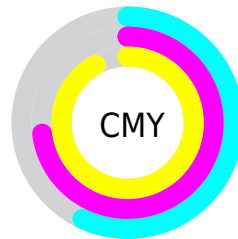


Cyan (0%)

Magenta (38%)

Yellow (83%)

Black (57%)



Cyan (57%)

Magenta (73%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 37.847, 68.653 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 33, 37.847, 68.653 by changing the saturation by 10% instead.

■ 33, 37.847, 68.653

■ 33, 37.847, 68.653

■ 100, 37.847,
68.653

■ 23, 37.847, 68.653

■ 53, 37.847, 68.653

■ 13, 37.847, 68.653

■ 63, 37.847, 68.653

■ 3, 37.847, 68.653

■ 73, 37.847, 68.653

■ 0, 37.847, 68.653

■ 83, 37.847, 68.653

■ 93, 37.847, 68.653

■ 33, 37.847, 68.653

■ 33, 37.847, 68.653

■ 32, 41.818, 66.774

■ 34, 33.246, 70.221

31, 44.938, 65.636

36, 28.385, 71.620

38, 23.494, 72.941

39, 18.691, 74.223

41, 14.033, 75.481

43, 9.538, 76.714

44, 5.210, 77.913

46, 1.042, 78.935

48, 2.979, 260.375

Harmonies

Complementary

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



33, 37.847, 68.653



26, 32.880, 278.703

Rectangle

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



33, 37.847, 68.653



33, 37.847, 118.653



33, 37.847, 248.653



33, 37.847, 298.653

Sweetspot

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



33, 37.846, 68.656



54, 13.142, 76.336



24, 41.977, 357.292



27, 8.949, 76.015



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



33, 37.846, 68.656



40, 53.960, 64.831



45, 47.583, 105.250



23, 2.349, 78.322



33, 47.844, 65.329



67, 82.363, 63.107

Inverse Universe

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



26, 32.880, 278.703



29, 48.982, 286.260



14, 61.494, 303.864



22, 2.316, 260.627



24, 42.866, 285.828



50, 77.549, 288.431

Previews

White Background



This preview shows how the CIELCh color 33, 37.847, 68.653 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 33, 37.847, 68.653 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 33, 37.847, 68.653

Background



This preview shows how black text looks on a background with the CIELCh color 33, 37.847, 68.653.



This preview shows how white text looks on a background with the CIELCh color 33, 37.847, 68.653.

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

33, 37.847, 68.653

Protanopia

33, 33.292, 95.345

Deuteranopia

33, 36.275, 83.577



Tritanopia
33, 22.856, 17.405

Trichromacy



Original Color
33, 37.847, 68.653

Protanomaly
33, 33.755, 84.392

Deuteranomaly
33, 36.494, 78.414

Tritanomaly
33, 25.636, 45.097

Monochromacy



Original Color
33, 37.847, 68.653

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 13.571, 75.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 37.847, 68.653 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(110, 68, 19)` looks like.

```
.text, #text, p{  
    color:rgb(110, 68, 19)  
}
```

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(110, 68, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 68, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 37.847, 68.653 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(110, 68, 19) }
```

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

```
.border{ border-color:rgb(110, 68, 19) }
```

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

Here you see how a box with a 4 pixel rgb(110, 68, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 68, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 68, 19);  
box-shadow:4px 4px 4px 4px rgb(110, 68,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 37.847, 68.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 68, 19) }
```

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

```
.background{ background-color: rgb(110, 68,  
19) }
```

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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