

Converting Colors

CIELCh(37, 33.097, 84.835)

Have a look what the booklet for
CIELCh(37, 33.097, 84.835) contains.

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Color

CIELCh(37, 33.028, 85.137)

Conversions

Conversions Part 1

Format	Color
Hex	6A5420
RGB	106, 84, 32
RGB Percent	42%, 33%, 13%
CMY	0.5838, 0.6701, 0.8740
CMYK	0.00, 0.21, 0.70, 0.58
HSL	42°, 54%, 27%
HSV	42°, 70%, 42%
XYZ	9.4029, 9.5379, 2.7207
YIQ	84.6500, 29.8040, -11.5080

Conversions

Conversions Part 2

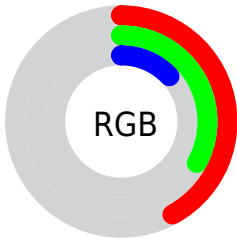
Format	Color
R _Y B	63, 106, 32
Decimal	6968352
CIE Lab	37.00, 2.80, 32.91
CIE LCh	37, 33.028, 85.137
Yxy	9.5379, 0.4341, 0.4403
Android (android.graphics.Color)	4285158432 (0xFF6A5420)
YUV	84.6500, -25.9564, 18.7240
Hunter-Lab	30.8835, 0.3007, 16.3954

Details

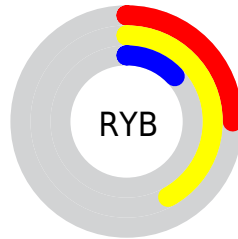
The CIELCh color **37, 33.028, 85.137** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **24, 34.588, 287.301**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 32.944, 84.548**, and **17, 24.959, 81.312** is the 20% darker color. If you saturate the color by 10%, you get **36, 37.142, 83.675**, and if you desaturate by 10%, it is **38, 28.474, 86.516**.

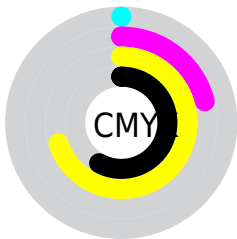
Distribution



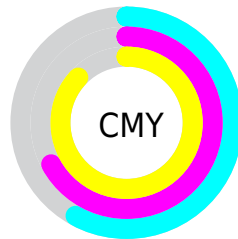
- Red (42%)
- Green (33%)
- Blue (13%)



- Red (25%)
- Yellow (42%)
- Blue (13%)



- Cyan (0%)
- Magenta (21%)
- Yellow (70%)
- Black (58%)



- Cyan (58%)
- Magenta (67%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 33.028, 85.137 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, 33.028, 85.137 by changing the saturation by 10% instead.

■ 37, 33.028, 85.137

■ 37, 33.028, 85.137

■ 100, 33.028,
85.137

■ 27, 33.028, 85.137

■ 57, 33.028, 85.137

■ 17, 33.028, 85.137

■ 67, 33.028, 85.137

■ 7, 33.028, 85.137

■ 77, 33.028, 85.137

■ 0, 33.028, 85.137

■ 87, 33.028, 85.137

■ 97, 33.028, 85.137

■ 37, 33.028, 85.137

■ 37, 33.028, 85.137

■ 36, 37.142, 83.675

■ 38, 28.474, 86.516

■ 35, 40.473, 82.047

■ 39, 23.709, 87.838

■ 34, 43.523, 80.445

■ 40, 18.870, 89.121

■ 34, 43.616, 80.408

■ 41, 14.035, 90.371

■ 43, 9.245, 91.584

■ 44, 4.521, 92.751

■ 45, 0.128, 274.988

■ 46, 4.701, 275.053

■ 47, 9.199, 276.094

Harmonies

Complementary

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



37, 33.028, 85.137



24, 34.588, 287.301

Rectangle

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



37, 33.028, 85.137



37, 33.028, 135.137



37, 33.028, 265.137



37, 33.028, 315.137

Sweetspot

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



37, 33.028, 85.140



54, 12.199, 91.364



25, 35.065, 6.595



27, 8.208, 91.130



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



37, 33.028, 85.140



46, 47.536, 82.629



42, 41.672, 113.968



22, 2.627, 92.837



38, 46.797, 80.113



75, 80.283, 78.537

Inverse Universe

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



24, 34.588, 287.301



26, 52.685, 292.473



19, 49.843, 304.722



21, 2.637, 274.998



18, 55.861, 297.071



40, 101.994, 299.076

Previews

White Background



This preview shows how the CIELCh color 37, 33.028, 85.137 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, 33.028, 85.137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

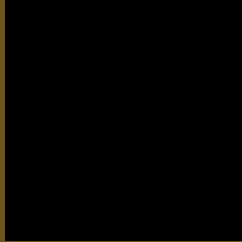
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 33.028, 85.137

Background



This preview shows how black text looks on a background with the CIELCh color 37, 33.028, 85.137.



This preview shows how white text looks on a background with the CIELCh color 37, 33.028, 85.137.

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, 33.028, 85.137

Protanopia

37, 32.205, 95.895

Deuteranopia

37, 33.432, 81.640



Tritanopia
37, 14.116, 6.606

Trichromacy



Original Color
37, 33.028, 85.137

Protanomaly
37, 32.163, 92.231

Deuteranomaly
37, 33.206, 82.427

Tritanomaly
37, 16.389, 54.670

Monochromacy



Original Color
37, 33.028, 85.137

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 12.290, 90.597

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 33.028, 85.137 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(106, 84, 32)` looks like.

```
.text, #text, p{  
    color:rgb(106, 84, 32)  
}
```

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(106, 84, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 84, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 33.028, 85.137 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(106, 84, 32) }
```

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

```
.border{ border-color:rgb(106, 84, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 84, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 84, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 84, 32);  
box-shadow:4px 4px 4px 4px rgb(106, 84,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 33.028, 85.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 84, 32) }
```

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

```
.background{ background-color: rgb(106, 84,  
32) }
```

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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