

Converting Colors

CIELCh(37, 1.236, 97.072)

Have a look what the booklet for
CIELCh(37, 1.236, 97.072) contains.

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Color

CIELCh(37, 1.297, 90.639)

Conversions

Conversions Part 1

Format	Color
Hex	585755
RGB	88, 87, 85
RGB Percent	35%, 34%, 33%
CMY	0.6551, 0.6590, 0.6668
CMYK	0.00, 0.01, 0.03, 0.66
HSL	40°, 2%, 34%
HSV	40°, 3%, 34%
XYZ	9.0638, 9.5379, 9.9492
YIQ	87.0710, 1.2380, -0.4100

Conversions

Conversions Part 2

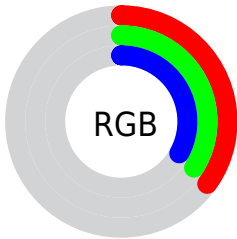
Format	Color
RYB	87, 88, 85
Decimal	5789525
CIELab	37.00, -0.01, 1.30
CIELCh	37, 1.297, 90.639
Yxy	9.5379, 0.3175, 0.3341
Android (android.graphics.Color)	4283979605 (0xFF585755)
YUV	87.0710, -1.0210, 0.8147
Hunter-Lab	30.8835, -1.6595, 2.5180

Details

The CIELCh color **37, 1.297, 90.639** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **37, 1.306, 271.661**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 1.194, 90.715**, and **17, 1.463, 90.378** is the 20% darker color. If you saturate the color by 10%, you get **36, 5.167, 89.610**, and if you desaturate by 10%, it is **38, 2.497, 271.952**.

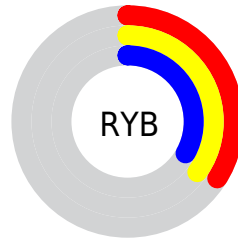
Distribution



Red (35%)

Green (34%)

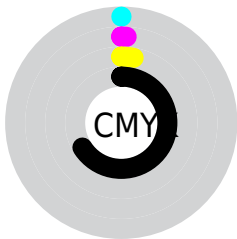
Blue (33%)



Red (34%)

Yellow (35%)

Blue (33%)

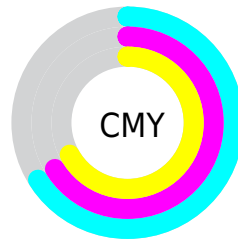


Cyan (0%)

Magenta (1%)

Yellow (3%)

Black (66%)



Cyan (66%)

Magenta (66%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 1.297, 90.639 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, 1.297, 90.639 by changing the saturation by 10% instead.

■ 37, 1.297, 90.639 ■ 37, 1.297, 90.639

100, 1.297, 90.639 ■ 27, 1.297, 90.639

■ 57, 1.297, 90.639 ■ 17, 1.297, 90.639

■ 67, 1.297, 90.639 ■ 7, 1.297, 90.639

■ 77, 1.297, 90.639 ■ 0, 1.297, 90.639

■ 87, 1.297, 90.639

■ 97, 1.297, 90.639

■ 37, 1.297, 90.639 ■ 37, 1.297, 90.639

■ 36, 5.167, 89.610 ■ 38, 2.497, 271.952

■ 35, 9.111, 88.432 ■ 39, 6.218, 272.989

34, 13.123, 87.213

40, 9.871, 274.006

33, 17.187, 85.959

42, 13.461,
274.982

32, 21.267, 84.669

43, 16.991,
275.915

31, 25.297, 83.334

30, 29.159, 81.933

44, 20.467,
276.803

29, 32.653, 80.416

45, 23.892,
277.647

28, 35.666, 78.781

47, 27.270,
278.449

48, 30.605,
279.209

Harmonies

Complementary

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



37, 1.297, 90.639



37, 1.306, 271.661

Rectangle

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



37, 1.297, 90.639



37, 1.297, 140.639



37, 1.297, 270.639



37, 1.297, 320.639

Sweetspot

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



37, 1.298, 90.685



48, 0.469, 90.713



36, 1.432, 353.797



25, 0.268, 90.688



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



37, 1.298, 90.685



48, 1.897, 90.621



37, 1.857, 116.482



17, 1.054, 90.598



33, 43.652, 77.224



71, 77.472, 75.219

Inverse Universe

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



37, 1.306, 271.661



47, 1.907, 271.728



36, 1.879, 296.932



17, 1.059, 271.753



17, 49.031, 294.718



40, 93.396, 297.188

Previews

White Background



This preview shows how the CIELCh color 37, 1.297, 90.639 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 CIE LCh color 37, 1.297, 90.639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

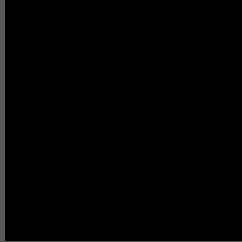
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

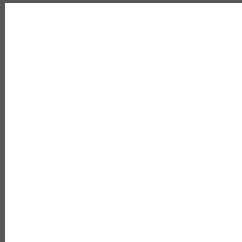
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 1.297, 90.639

Background



This preview shows how black text looks on a background with the CIELCh color 37, 1.297, 90.639.



This preview shows how white text looks on a background with the CIELCh color 37, 1.297, 90.639.

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, 1.297, 90.639

Protanopia

37, 1.492, 74.783

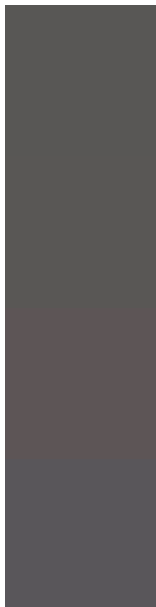
Deuteranopia

37, 5.347, 6.851



Tritanopia
37, 4.524, 306.857

Trichromacy



Original Color
37, 1.297, 90.639

Protanomaly
37, 1.492, 74.783

Deuteranomaly
37, 3.508, 9.728

Tritanomaly
37, 2.795, 317.429

Monochromacy



Original Color
37, 1.297, 90.639

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 0.612, 110.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 1.297, 90.639 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(88, 87, 85)` looks like.

```
.text, #text, p{  
    color:rgb(88, 87, 85)  
}
```

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(88, 87, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 87, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 1.297, 90.639 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(88, 87, 85) }
```

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

```
.border{ border-color:rgb(88, 87, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 87, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 87, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 87, 85);  
box-shadow:4px 4px 4px 4px rgb(88, 87, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 1.297, 90.639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 87, 85) }
```

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

```
.background{ background-color: rgb(88, 87,  
85) }
```

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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