

Converting Colors

CIELCh(37, 16.638, 101.340)

Have a look what the booklet for
CIELCh(37, 16.638, 101.340)
contains.

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Color

CIELCh(37, 16.577, 100.945)

Conversions

Conversions Part 1

Format	Color
Hex	5C583D
RGB	92, 88, 61
RGB Percent	36%, 35%, 24%
CMY	0.6402, 0.6558, 0.7617
CMYK	0.00, 0.04, 0.34, 0.64
HSL	52°, 20%, 30%
HSV	52°, 34%, 36%
XYZ	8.6959, 9.5379, 5.7658
YIQ	86.1180, 11.0510, -7.5490

Conversions

Conversions Part 2

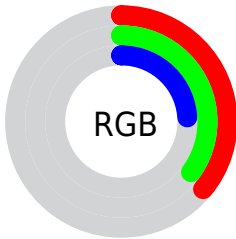
Format	Color
RYB	66, 92, 61
Decimal	6051901
CIELab	37.00, -3.15, 16.28
CIElCh	37, 16.577, 100.945
Yxy	9.5379, 0.3623, 0.3974
Android (android.graphics.Color)	4284241981 (0xFF5C583D)
YUV	86.1180, -12.3832, 5.1585
Hunter-Lab	30.8835, -3.7855, 10.5494

Details

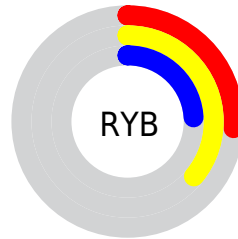
The CIELCh color **37, 16.577, 100.945** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **28, 17.492, 288.601**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 16.531, 100.857**, and **17, 16.832, 101.990** is the 20% darker color. If you saturate the color by 10%, you get **36, 21.403, 99.913**, and if you desaturate by 10%, it is **38, 11.684, 101.979**.

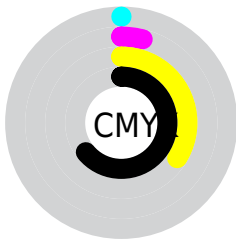
Distribution



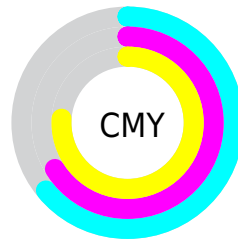
- Red (36%)
- Green (35%)
- Blue (24%)



- Red (26%)
- Yellow (36%)
- Blue (24%)



- Cyan (0%)
- Magenta (4%)
- Yellow (34%)
- Black (64%)





- Cyan (64%)
- Magenta (66%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 16.577, 100.945 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, 16.577, 100.945 by changing the saturation by 10% instead.


 37, 16.577,
100.945


 37, 16.577,
100.945

 100, 16.577,
100.945


 27, 16.577,
100.945

 57, 16.577,
100.945


 17, 16.577,
100.945


 67, 16.577,
100.945

 7, 16.577, 100.945

 77, 16.577,
100.945

 0, 16.577, 100.945

 87, 16.577,
100.945

 97, 16.577,
100.945

■ 37, 16.577,
100.945

■ 37, 16.577,
100.945

■ 36, 21.403, 99.913

■ 38, 11.684,
101.979

■ 36, 26.088, 98.881

■ 38, 6.763, 102.992

■ 35, 30.523, 97.865

■ 39, 1.843, 103.960

■ 35, 34.541, 96.875

■ 39, 3.060, 284.986

■ 35, 37.908, 95.918

■ 40, 7.937, 285.907

■ 34, 40.518, 94.996

■ 41, 12.781,
286.802

■ 34, 42.263, 94.449

■ 41, 17.590,
287.660

■ 42, 22.361,
288.480

■ 43, 27.092,

Harmonies

Complementary

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



37, 16.577, 100.945



28, 17.492, 288.601

Rectangle

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



37, 16.577, 100.945



37, 16.577, 150.945



37, 16.577, 280.945



37, 16.577, 330.945

Sweetspot

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



37, 16.578, 100.949



50, 6.118, 103.334



29, 14.596, 11.848



25, 4.208, 103.242



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



37, 16.578, 100.949



47, 25.003, 100.063



37, 19.500, 122.634



19, 2.751, 103.480



41, 47.813, 94.242



83, 83.872, 93.615

Inverse Universe

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



28, 17.492, 288.601



34, 26.858, 290.044



28, 20.646, 306.167



17, 2.790, 285.293



12, 64.861, 303.378



32, 119.534, 304.670

Previews

White Background



This preview shows how the CIELCh color 37, 16.577, 100.945 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, 16.577, 100.945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

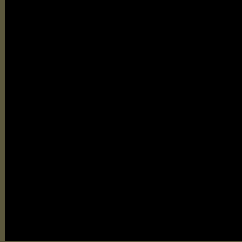
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 16.577, 100.945

Background



This preview shows how black text looks on a background with the CIELCh color 37, 16.577, 100.945.



This preview shows how white text looks on a background with the CIELCh color 37, 16.577, 100.945.

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

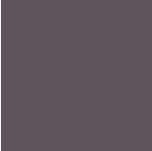
37, 16.577, 100.945

Protanopia

37, 16.840, 96.090

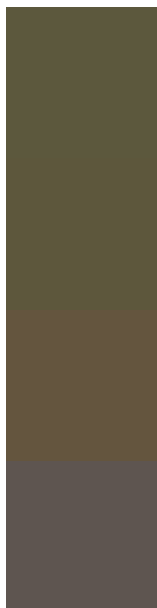
Deuteranopia

37, 16.532, 70.690



Tritanopia
37, 6.383, 337.732

Trichromacy



Original Color
37, 16.577, 100.945

Protanomaly
37, 16.748, 97.685

Deuteranomaly
37, 15.903, 81.213

Tritanomaly
37, 5.036, 57.393

Monochromacy



Original Color
37, 16.577, 100.945

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 6.167, 105.043

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 16.577, 100.945 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(92, 88, 61)` looks like.

```
.text, #text, p{  
    color:rgb(92, 88, 61)  
}
```

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(92, 88, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 88, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 16.577, 100.945 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(92, 88, 61) }
```

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

```
.border{ border-color:rgb(92, 88, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 88, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 88, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 88, 61);  
box-shadow:4px 4px 4px 4px rgb(92, 88, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 16.577, 100.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 88, 61) }
```

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

```
.background{ background-color: rgb(92, 88,  
61) }
```

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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