

Converting Colors

CIELCh(37, 15.756, 89.261)

Have a look what the booklet for
CIELCh(37, 15.756, 89.261) contains.

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Color

CIELCh(37, 15.646, 88.311)

Conversions

Conversions Part 1

Format	Color
Hex	61563E
RGB	97, 86, 62
RGB Percent	38%, 34%, 24%
CMY	0.6197, 0.6629, 0.7570
CMYK	0.00, 0.11, 0.36, 0.62
HSL	41°, 22%, 31%
HSV	41°, 36%, 38%
XYZ	9.1205, 9.5379, 5.9135
YIQ	86.5530, 14.2600, -5.1320

Conversions

Conversions Part 2

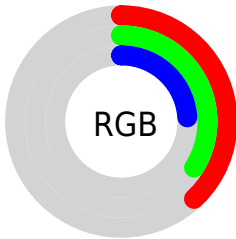
Format	Color
RYB	78, 97, 62
Decimal	6379070
CIELab	37.00, 0.46, 15.64
CIELCh	37, 15.646, 88.311
Yxy	9.5379, 0.3712, 0.3882
Android (android.graphics.Color)	4284569150 (0xFF61563E)
YUV	86.5530, -12.1046, 9.1620
Hunter-Lab	30.8835, -1.3316, 10.2657

Details

The CIELCh color **37, 15.646, 88.311** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **31, 15.661, 277.921**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 15.617, 89.335**, and **17, 15.880, 87.722** is the 20% darker color. If you saturate the color by 10%, you get **36, 20.103, 87.047**, and if you desaturate by 10%, it is **38, 11.224, 89.551**.

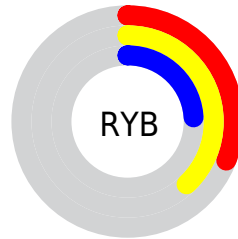
Distribution



Red (38%)

Green (34%)

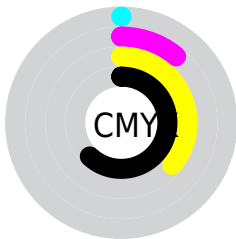
Blue (24%)



Red (31%)

Yellow (38%)

Blue (24%)

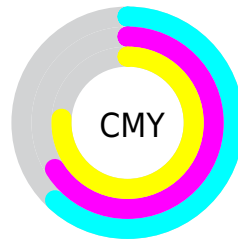


Cyan (0%)

Magenta (11%)

Yellow (36%)

Black (62%)



Cyan (62%)

Magenta (66%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 15.646, 88.311 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, 15.646, 88.311 by changing the saturation by 10% instead.

■ 37, 15.646, 88.311

■ 37, 15.646, 88.311

■ 100, 15.646,
88.311

■ 27, 15.646, 88.311

■ 57, 15.646, 88.311

■ 17, 15.646, 88.311

■ 67, 15.646, 88.311

■ 7, 15.646, 88.311

■ 77, 15.646, 88.311

■ 0, 15.646, 88.311

■ 87, 15.646, 88.311

■ 97, 15.646, 88.311

■ 37, 15.646, 88.311

■ 37, 15.646, 88.311

■ 36, 20.103, 87.047

■ 38, 11.224, 89.551

■ 35, 24.542, 85.741

■ 39, 6.861, 90.747

■ 34, 28.868, 84.386

■ 40, 2.571, 91.881

■ 33, 32.918, 82.956

■ 42, 1.644, 273.141

■ 32, 36.427, 81.391

■ 43, 5.783, 274.166

■ 31, 39.439, 79.747

■ 44, 9.851, 275.195

■ 31, 40.802, 79.211

■ 45, 13.851,
276.183

■ 47, 17.788,
277.127

■ 48, 21.667,
278.026

Harmonies

Complementary

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



37, 15.646, 88.311



31, 15.661, 277.921

Rectangle

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



37, 15.646, 88.311



37, 15.646, 138.311



37, 15.646, 268.311



37, 15.646, 318.311

Sweetspot

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



37, 15.647, 88.316



51, 5.752, 91.300



31, 17.107, 358.622



26, 3.899, 91.200



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



37, 15.647, 88.316



46, 23.083, 87.283



40, 21.137, 114.984



19, 2.373, 91.576



36, 45.215, 78.736



73, 78.846, 76.960

Inverse Universe

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



31, 15.661, 277.921



38, 23.157, 279.550



28, 22.844, 300.315



18, 2.378, 273.717



17, 52.477, 295.987



40, 97.803, 298.208

Previews

White Background



This preview shows how the CIELCh color 37, 15.646, 88.311 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, 15.646, 88.311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

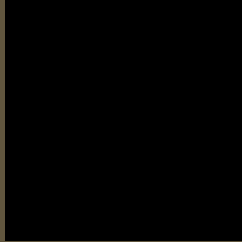
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 15.646, 88.311

Background



This preview shows how black text looks on a background with the CIELCh color 37, 15.646, 88.311.

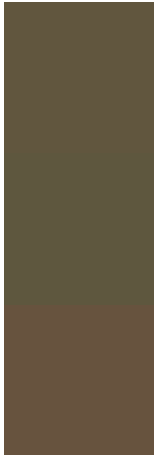


This preview shows how white text looks on a background with the CIELCh color 37, 15.646, 88.311.

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, 15.646, 88.311

Protanopia

37, 15.656, 95.495

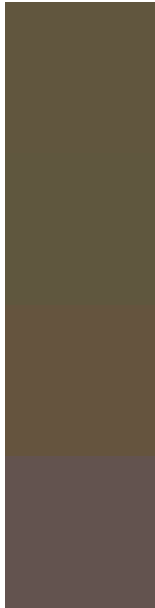
Deuteranopia

37, 16.227, 72.007



Tritanopia
37, 8.866, 351.684

Trichromacy



Original Color
37, 15.646, 88.311

Protanomaly
37, 15.768, 93.812

Deuteranomaly
37, 15.878, 77.291

Tritanomaly
37, 7.591, 39.166

Monochromacy



Original Color
37, 15.646, 88.311

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 5.807, 91.475

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 15.646, 88.311 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(97, 86, 62)` looks like.

```
.text, #text, p{  
    color:rgb(97, 86, 62)  
}
```

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(97, 86, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 86, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 15.646, 88.311 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(97, 86, 62) }
```

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

```
.border{ border-color:rgb(97, 86, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 86, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 86, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 86, 62);  
box-shadow:4px 4px 4px 4px rgb(97, 86, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 15.646, 88.311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 86, 62) }
```

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

```
.background{ background-color: rgb(97, 86,  
62) }
```

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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