

Converting Colors

CIELCh(37, 15.359, 108.720)

Have a look what the booklet for
CIELCh(37, 15.359, 108.720)
contains.

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Color

CIELCh(37, 15.252, 109.413)

Conversions

Conversions Part 1

Format	Color
Hex	585940
RGB	88, 89, 64
RGB Percent	35%, 35%, 25%
CMY	0.6558, 0.6519, 0.7499
CMYK	0.01, 0.00, 0.28, 0.65
HSL	62°, 16%, 30%
HSV	62°, 28%, 35%
XYZ	8.4753, 9.5379, 6.2122
YIQ	85.8510, 7.4290, -7.9870

Conversions

Conversions Part 2

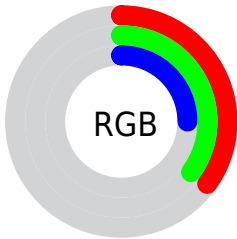
Format	Color
RYB	64, 89, 65
Decimal	5790016
CIELab	37.00, -5.07, 14.38
CIELCh	37, 15.252, 109.413
Yxy	9.5379, 0.3499, 0.3937
Android (android.graphics.Color)	4283980096 (0xFF585940)
YUV	85.8510, -10.7725, 1.8847
Hunter-Lab	30.8835, -5.0608, 9.6923




Details

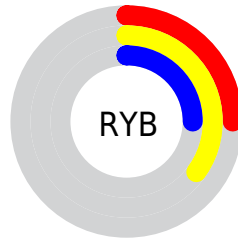
The CIELCh color $37, 15.252, 109.413$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $28, 16.220, 294.616$, and the grayscale version is $36, 0.005, 296.813$.




A 20% lighter version of the original color is $57, 15.270, 109.928$, and $17, 15.541, 110.105$ is the 20% darker color. If you saturate the color by 10%, you get $37, 20.529, 108.593$, and if you desaturate by 10%, it is $37, 9.876, 110.252$.

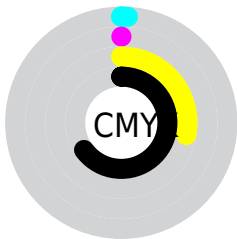
Distribution







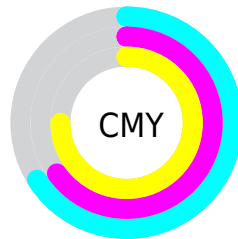
-  Red (35%)
-  Green (35%)
-  Blue (25%)






-  Red (25%)
-  Yellow (35%)
-  Blue (25%)



-  Cyan (1%)
-  Magenta (0%)
-  Yellow (28%)
-  Black (65%)





-  Cyan (66%)
-  Magenta (65%)
-  Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 15.252, 109.413 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, 15.252, 109.413 by changing the saturation by 10% instead.


 37, 15.252,
109.413


 37, 15.252,
109.413

 100, 15.252,
109.413


 27, 15.252,
109.413

 57, 15.252,
109.413


 17, 15.252,
109.413


 67, 15.252,
109.413

 7, 15.252, 109.413

 77, 15.252,
109.413

 0, 15.252, 109.413

 87, 15.252,
109.413

 97, 15.252,
109.413

■ 37, 15.252,
109.413

■ 37, 15.252,
109.413

■ 37, 20.529,
108.593

■ 37, 9.876, 110.252

■ 37, 25.639,
107.800

■ 37, 4.444, 111.083

■ 36, 30.484,
107.062

■ 38, 1.015, 291.938

■ 36, 34.924,
106.409

■ 38, 11.936,
293.489

■ 36, 38.769,
105.879

■ 39, 17.373,
294.232

■ 36, 41.799,
105.512

■ 39, 22.782,
294.942

■ 36, 44.421,
105.221

■ 40, 28.158,
295.617

■ 36, 44.939,

■ 40, 33.495,

105.160

296.257

Harmonies

Complementary

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



37, 15.252, 109.413



28, 16.220, 294.616

Rectangle

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



37, 15.252, 109.413



37, 15.252, 159.413



37, 15.252, 289.413



37, 15.252, 339.413

Sweetspot

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



37, 15.253, 109.417



48, 5.389, 111.074



30, 11.340, 23.983



25, 3.860, 110.985



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, 15.253, 109.417



47, 22.662, 108.844



36, 16.484, 129.048



18, 2.991, 111.034



43, 51.244, 105.215



89, 91.108, 105.373

Inverse Universe

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



28, 16.220, 294.616



34, 24.534, 295.517



29, 17.038, 311.421



16, 3.049, 292.528



10, 70.415, 306.513



30, 125.453, 306.375

Previews

White Background



This preview shows how the CIELCh color 37, 15.252, 109.413 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, 15.252, 109.413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

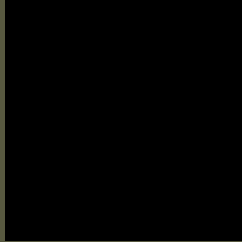
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

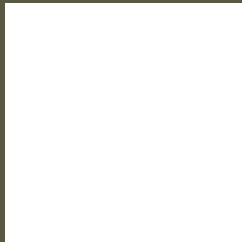
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 15.252, 109.413

Background



This preview shows how black text looks on a background with the CIELCh color 37, 15.252, 109.413.



This preview shows how white text looks on a background with the CIELCh color 37, 15.252, 109.413.

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, 15.252, 109.413

Protanopia

37, 15.064, 95.150

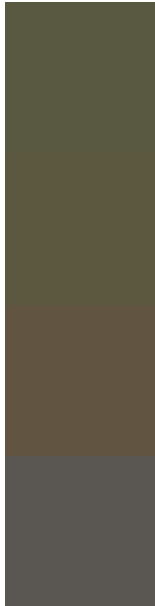
Deuteranopia

37, 14.714, 68.366



Tritanopia
37, 5.035, 320.792

Trichromacy



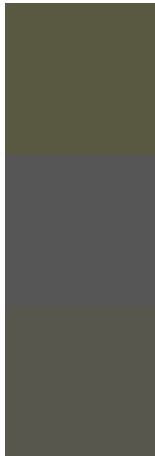
Original Color
37, 15.252, 109.413

Protanomaly
37, 15.382, 100.679

Deuteranomaly
37, 13.575, 83.632

Tritanomaly
37, 3.010, 74.356

Monochromacy



Original Color
37, 15.252, 109.413

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 5.541, 109.261

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 15.252, 109.413 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, 89, 64)` looks like.

```
.text, #text, p{  
    color:rgb(88, 89, 64)  
}
```

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, 89, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 89, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 15.252, 109.413 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, 89, 64) }
```

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

```
.border{ border-color:rgb(88, 89, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 89, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 89, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 89, 64);  
box-shadow:4px 4px 4px 4px rgb(88, 89, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 15.252, 109.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 89, 64) }
```

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

```
.background{ background-color: rgb(88, 89,  
64) }
```

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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