

Converting Colors

CIELCh(37, 10.912, 109.592)

Have a look what the booklet for
CIELCh(37, 10.912, 109.592)
contains.

CIELCh(37, 11.033, 108.361)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(37, 11.033, 108.361)

Conversions

Conversions Part 1

Format	Color
Hex	585846
RGB	88, 88, 70
RGB Percent	35%, 35%, 27%
CMY	0.6542, 0.6542, 0.7248
CMYK	0.00, 0.00, 0.20, 0.65
HSL	60°, 11%, 31%
HSV	60°, 20%, 35%
XYZ	8.6580, 9.5379, 7.2085
YIQ	85.9480, 5.7780, -5.5980

Conversions

Conversions Part 2

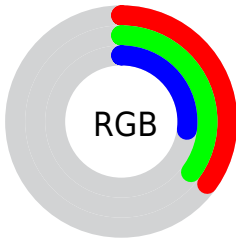
Format	Color
R_{YB}	70, 88, 70
Decimal	5789766
CIE Lab	37.00, -3.48, 10.47
CIE LCh	37, 11.033, 108.361
Yxy	9.5379, 0.3408, 0.3754
Android (android.graphics.Color)	4283979846 (0xFF585846)
YUV	85.9480, -7.8624, 1.7996
Hunter-Lab	30.8835, -4.0047, 7.7796

Details

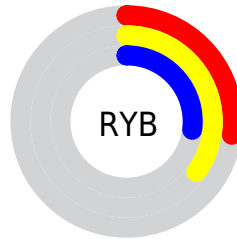
The CIELCh color $37, 11.033, 108.361$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $30, 11.521, 292.278$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 11.336, 108.824$, and $17, 10.966, 110.035$ is the 20% darker color. If you saturate the color by 10%, you get $37, 16.360, 107.477$, and if you desaturate by 10%, it is $37, 5.644, 109.255$.

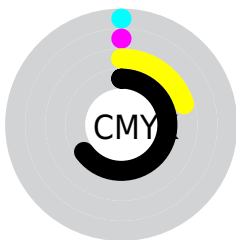
Distribution



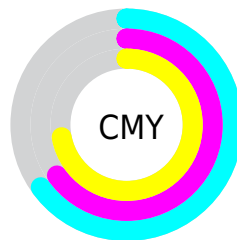
- Red (35%)
- Green (35%)
- Blue (27%)



- Red (27%)
- Yellow (35%)
- Blue (27%)



- Cyan (0%)
- Magenta (0%)
- Yellow (20%)
- Black (65%)





- Cyan (65%)
- Magenta (65%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 11.033, 108.361 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, 11.033, 108.361 by changing the saturation by 10% instead.


 37, 11.033,
108.361


 37, 11.033,
108.361

 100, 11.033,
108.361


 27, 11.033,
108.361

 57, 11.033,
108.361


 17, 11.033,
108.361


 67, 11.033,
108.361

 7, 11.033, 108.361

 77, 11.033,
108.361

 0, 11.033, 108.361

 87, 11.033,
108.361

 97, 11.033,
108.361

■ 37, 11.033,
108.361

■ 37, 11.033,
108.361

■ 37, 16.360,
107.477

■ 37, 5.644, 109.255

■ 37, 21.575,
106.603

■ 37, 0.223, 109.984

■ 37, 26.607,
105.764

■ 38, 5.208, 291.016

■ 38, 10.634,
291.853

■ 36, 31.348,
104.980

■ 38, 16.043,
292.662

■ 36, 35.646,
104.280

■ 39, 21.429,
293.439

■ 36, 39.304,
103.695

■ 39, 26.783,
294.180

■ 36, 42.121,
103.252

■ 40, 32.103,
294.885

■ 36, 44.682,

102.856

■ 40, 37.382,
295.552

Harmonies

Complementary

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



37, 11.033, 108.361



30, 11.521, 292.278

Rectangle

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



37, 11.033, 108.361



37, 11.033, 158.361



37, 11.033, 288.361



37, 11.033, 338.361

Sweetspot

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



37, 11.034, 108.366



48, 4.038, 109.625



32, 8.211, 20.718



25, 2.700, 109.595



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, 11.034, 108.366



48, 16.746, 107.885



36, 11.802, 128.220



18, 2.989, 109.401



44, 51.183, 102.856



90, 90.985, 102.856

Inverse Universe

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



30, 11.521, 292.278



38, 17.707, 292.949



31, 12.108, 309.940



16, 3.047, 291.007



10, 70.674, 306.288



29, 125.634, 306.287

Previews

White Background



This preview shows how the CIELCh color 37, 11.033, 108.361 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



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

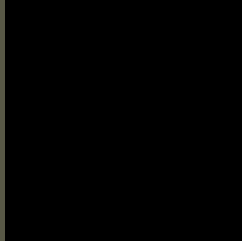
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 11.033, 108.361

Background



This preview shows how black text looks on a background with the CIELCh color 37, 11.033, 108.361.

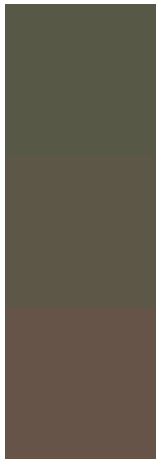


This preview shows how white text looks on a background with the CIELCh color 37, 11.033, 108.361.

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, 11.033, 108.361

Protanopia

37, 10.685, 96.095

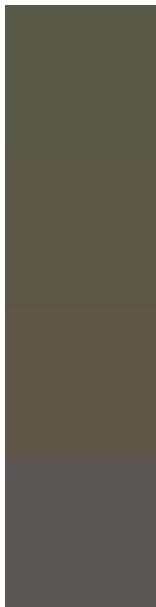
Deuteranopia

37, 11.295, 64.792



Tritanopia
37, 5.035, 320.792

Trichromacy



Original Color
37, 11.033, 108.361

Protanomaly
37, 10.596, 98.525

Deuteranomaly
37, 10.324, 82.269

Tritanomaly
37, 2.114, 55.083

Monochromacy



Original Color
37, 11.033, 108.361

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 4.310, 109.462

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 11.033, 108.361 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, 88, 70)` looks like.

```
.text, #text, p{  
    color:rgb(88, 88, 70)  
}
```

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, 88, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 88, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 11.033, 108.361 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, 88, 70) }
```

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

```
.border{ border-color:rgb(88, 88, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 88, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 88, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 88, 70);  
box-shadow:4px 4px 4px 4px rgb(88, 88, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 11.033, 108.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 88, 70) }
```

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

```
.background{ background-color: rgb(88, 88,  
70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor