

Converting Colors

CIELCh(37, 30.950, 96.813)

Have a look what the booklet for
CIELCh(37, 30.950, 96.813) contains.

CIELCh(37, 30.990, 97.686)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(37, 30.990, 97.686)

Conversions

Conversions Part 1

Format	Color
Hex	605824
RGB	96, 88, 36
RGB Percent	38%, 35%, 14%
CMY	0.6246, 0.6559, 0.8597
CMYK	0.00, 0.08, 0.63, 0.62
HSL	52°, 46%, 26%
HSV	52°, 63%, 38%
XYZ	8.5810, 9.5379, 3.0391
YIQ	84.4640, 21.4600, -14.4760

Conversions

Conversions Part 2

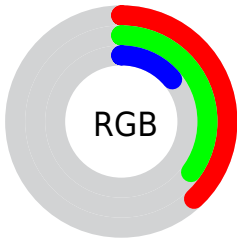
Format	Color
R_{YB}	45, 96, 36
Decimal	6314020
CIE Lab	37.00, -4.14, 30.71
CIE LCh	37, 30.990, 97.686
Yxy	9.5379, 0.4056, 0.4508
Android (android.graphics.Color)	4284504100 (0xFF605824)
YUV	84.4640, -23.8928, 10.1171
Hunter-Lab	30.8835, -4.4500, 15.7840

Details

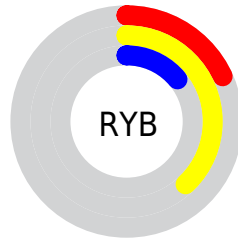
The CIELCh color **37, 30.990, 97.686** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **20, 35.191, 294.091**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 31.058, 98.206**, and **17, 25.050, 97.854** is the 20% darker color. If you saturate the color by 10%, you get **37, 35.186, 96.680**, and if you desaturate by 10%, it is **38, 26.380, 98.721**.

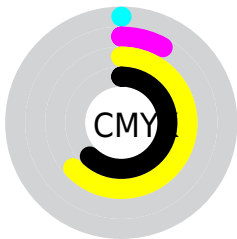
Distribution



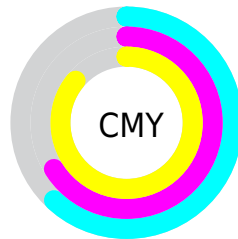
- Red (38%)
- Green (35%)
- Blue (14%)



- Red (18%)
- Yellow (38%)
- Blue (14%)



- Cyan (0%)
- Magenta (8%)
- Yellow (63%)
- Black (62%)



















- Cyan (62%)
- Magenta (66%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 30.990, 97.686 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, 30.990, 97.686 by changing the saturation by 10% instead.

 37, 30.990, 97.686	 37, 30.990, 97.686
 100, 30.990, 97.686	 27, 30.990, 97.686
 57, 30.990, 97.686	 17, 30.990, 97.686
 67, 30.990, 97.686	 7, 30.990, 97.686
 77, 30.990, 97.686	 0, 30.990, 97.686
 87, 30.990, 97.686	
 97, 30.990, 97.686	
 37, 30.990, 97.686	 37, 30.990, 97.686
 37, 35.186, 96.680	 38, 26.380, 98.721

■ 36, 38.728, 95.701

■ 38, 21.524, 99.766

■ 36, 41.404, 94.752

■ 39, 16.535,
100.814

■ 35, 43.408, 94.086

■ 39, 11.480,
101.853

■ 40, 6.403, 102.873

■ 40, 1.331, 103.831

■ 41, 3.721, 284.876

■ 42, 8.744, 285.804

■ 43, 13.732,
286.702

Harmonies

Complementary

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



37, 30.990, 97.686



20, 35.191, 294.091

Rectangle

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



37, 30.990, 97.686



37, 30.990, 147.686



37, 30.990, 277.686



37, 30.990, 327.686

Sweetspot

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



37, 30.990, 97.689



51, 11.992, 102.167



23, 29.415, 17.351



26, 8.319, 101.959



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, 30.990, 97.689



47, 44.613, 96.219



38, 36.242, 121.426



20, 2.867, 103.247



41, 48.472, 93.899



84, 84.334, 93.267

Inverse Universe

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



20, 35.191, 294.091



22, 53.694, 297.676



20, 40.846, 308.188



18, 2.908, 285.089



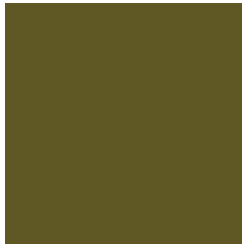
13, 65.809, 303.325



32, 120.179, 304.593

Previews

White Background



This preview shows how the CIELCh color 37, 30.990, 97.686 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, 30.990, 97.686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

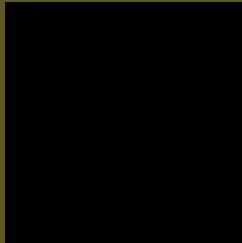
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 30.990, 97.686

Background



This preview shows how black text looks on a background with the CIELCh color 37, 30.990, 97.686.



This preview shows how white text looks on a background with the CIELCh color 37, 30.990, 97.686.

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, 30.990, 97.686

Protanopia

37, 30.666, 95.741

Deuteranopia

37, 30.720, 81.134



Tritanopia
37, 8.866, 351.684

Trichromacy



Original Color
37, 30.990, 97.686

Protanomaly
37, 30.666, 95.741

Deuteranomaly
37, 30.409, 86.990

Tritanomaly
37, 10.842, 72.110

Monochromacy



Original Color
37, 30.990, 97.686

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 11.784, 101.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 30.990, 97.686 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(96, 88, 36)` looks like.

```
.text, #text, p{  
    color:rgb(96, 88, 36)  
}
```

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(96, 88, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 88, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 30.990, 97.686 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(96, 88, 36) }
```

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

```
.border{ border-color:rgb(96, 88, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 88, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 88, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 88, 36);  
box-shadow:4px 4px 4px 4px rgb(96, 88, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 30.990, 97.686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 88, 36) }
```

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

```
.background{ background-color: rgb(96, 88,  
36) }
```

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