

Converting Colors

CIELCh(37, 21.171, 106.690)

Have a look what the booklet for
CIELCh(37, 21.171, 106.690)
contains.

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Color

CIELCh(37, 21.171, 106.690)

Conversions

Conversions Part 1

Format	Color
Hex	595936
RGB	89, 89, 54
RGB Percent	35%, 35%, 21%
CMY	0.6509, 0.6509, 0.7882
CMYK	0.00, 0.00, 0.39, 0.65
HSL	60°, 24%, 28%
HSV	60°, 39%, 35%
XYZ	8.3608, 9.5379, 4.8920
YIQ	85.0100, 11.2350, -10.8850

Conversions

Conversions Part 2

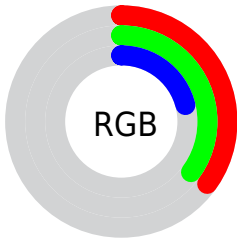
Format	Color
R_{YB}	54, 89, 54
Decimal	5855542
CIE Lab	37.00, -6.08, 20.28
CIE LCh	37, 21.171, 106.690
Yxy	9.5379, 0.3669, 0.4185
Android (android.graphics.Color)	4284045622 (0xFF595936)
YUV	85.0100, -15.2879, 3.4992
Hunter-Lab	30.8835, -5.7228, 12.2269

Details

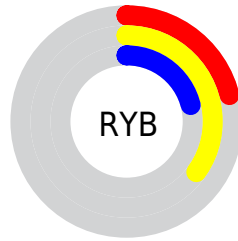
The CIELCh color **37, 21.171, 106.690** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **24, 23.199, 294.888**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 21.400, 106.471**, and **17, 21.392, 107.883** is the 20% darker color. If you saturate the color by 10%, you get **37, 26.266, 105.848**, and if you desaturate by 10%, it is **37, 15.901, 107.570**.

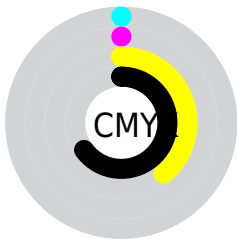
Distribution



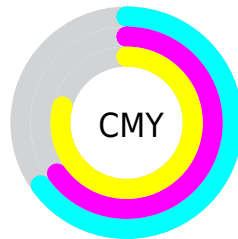
- Red (35%)
- Green (35%)
- Blue (21%)



- Red (21%)
- Yellow (35%)
- Blue (21%)



- Cyan (0%)
- Magenta (0%)
- Yellow (39%)
- Black (65%)



- Cyan (65%)
- Magenta (65%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 21.171, 106.690 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, 21.171, 106.690 by changing the saturation by 10% instead.


 37, 21.171,
106.690


 37, 21.171,
106.690

 100, 21.171,
106.690

 27, 21.171,
106.690

 57, 21.171,
106.690


 17, 21.171,
106.690


 67, 21.171,
106.690

 7, 21.171, 106.690

 77, 21.171,
106.690

 0, 21.171, 106.690

 87, 21.171,
106.690

 97, 21.171,
106.690

■ 37, 21.171,
106.690

■ 37, 21.171,
106.690

■ 37, 26.266,
105.848

■ 37, 15.901,
107.570

■ 37, 31.080,
105.056

■ 37, 10.525,
108.461

■ 37, 35.466,
104.346

■ 38, 5.088, 109.350

■ 37, 39.227,
103.746

■ 38, 0.377, 290.335

■ 38, 5.850, 291.109

■ 37, 42.142,
103.290

■ 38, 11.317,
291.945

■ 37, 44.781,
102.884

■ 39, 16.766,
292.752

■ 37, 44.972,
102.855

■ 39, 22.190,
293.526

■ 40, 27.582,
294.264

Harmonies

Complementary

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



37, 21.171, 106.690



24, 23.199, 294.888

Rectangle

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



37, 21.171, 106.690



37, 21.171, 156.690



37, 21.171, 286.690



37, 21.171, 336.690

Sweetspot

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



37, 21.172, 106.693



48, 8.073, 109.080



27, 17.010, 22.735



24, 5.397, 109.018



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, 21.172, 106.693



47, 30.893, 105.917



36, 22.782, 127.372



18, 2.989, 109.401



44, 51.183, 102.855



90, 90.985, 102.855

Inverse Universe

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



24, 23.199, 294.888



28, 34.812, 296.420



26, 23.989, 310.866



16, 3.047, 291.006



10, 70.674, 306.287



29, 125.634, 306.287

Previews

White Background



This preview shows how the CIELCh color 37, 21.171, 106.690 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, 21.171, 106.690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

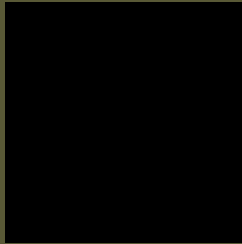
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 21.171, 106.690

Background



This preview shows how black text looks on a background with the CIELCh color 37, 21.171, 106.690.



This preview shows how white text looks on a background with the CIELCh color 37, 21.171, 106.690.

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, 21.171, 106.690

Protanopia

37, 21.039, 96.156

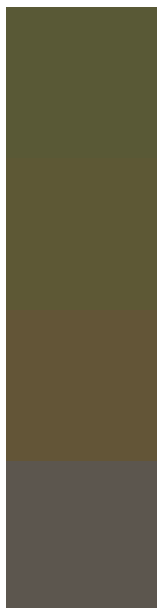
Deuteranopia

37, 20.473, 75.713



Tritanopia
37, 5.041, 332.819

Trichromacy



Original Color
37, 21.171, 106.690

Protanomaly
37, 21.351, 100.198

Deuteranomaly
37, 19.643, 86.925

Tritanomaly
37, 5.599, 80.917

Monochromacy



Original Color
37, 21.171, 106.690

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 7.398, 108.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 21.171, 106.690 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(89, 89, 54)` looks like.

```
.text, #text, p{  
    color:rgb(89, 89, 54)  
}
```

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(89, 89, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 89, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 21.171, 106.690 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(89, 89, 54) }
```

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

```
.border{ border-color:rgb(89, 89, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 89, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 89, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 89, 54);  
box-shadow:4px 4px 4px 4px rgb(89, 89, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 21.171, 106.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 89, 54) }
```

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

```
.background{ background-color: rgb(89, 89,  
54) }
```

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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