

Converting Colors

CIELCh(37, 36.711, 2.033)

Have a look what the booklet for
CIELCh(37, 36.711, 2.033) contains.

CIELCh(37, 36.798, 2.005)	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, 36.798, 2.005)

Conversions

Conversions Part 1

Format	Color
Hex	8C3C56
RGB	140, 60, 86
RGB Percent	55%, 24%, 34%
CMY	0.4498, 0.7636, 0.6617
CMYK	0.00, 0.57, 0.39, 0.45
HSL	341°, 40%, 39%
HSV	341°, 57%, 55%
XYZ	14.1862, 9.5379, 9.9524
YIQ	86.8840, 39.3340, 25.0460

Conversions

Conversions Part 2

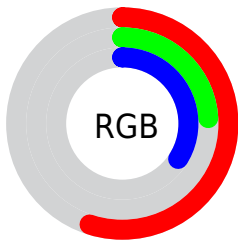
Format	Color
R_{YB}	140, 60, 86
Decimal	9190486
CIE _{Lab}	37.00, 36.78, 1.29
CIE _{LCh}	37, 36.798, 2.005
Yxy	9.5379, 0.4212, 0.2832
Android (android.graphics.Color)	4287380566 (0xFF8C3C56)
YUV	86.8840, -0.4358, 46.5827
Hunter-Lab	30.8835, 27.9469, 2.5119

Details

The CIELCh color **37, 36.798, 2.005** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **53, 31.761, 168.074**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 36.576, 1.788**, and **17, 36.679, 1.970** is the 20% darker color. If you saturate the color by 10%, you get **34, 42.552, 4.470**, and if you desaturate by 10%, it is **40, 30.487, 0.026**.

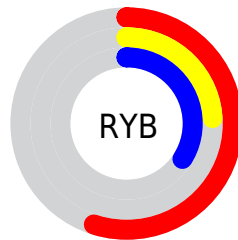
Distribution



Red (55%)

Green (24%)

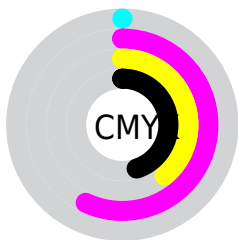
Blue (34%)



Red (55%)

Yellow (24%)

Blue (34%)

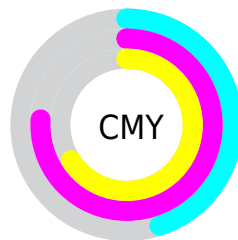


Cyan (0%)

Magenta (57%)

Yellow (39%)

Black (45%)



Cyan (45%)

Magenta (76%)

Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 36.798, 2.005 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, 36.798, 2.005 by changing the saturation by 10% instead.

 37, 36.798, 2.005  37, 36.798, 2.005

 100, 36.798, 2.005  27, 36.798, 2.005

 57, 36.798, 2.005  17, 36.798, 2.005

 67, 36.798, 2.005  7, 36.798, 2.005

 77, 36.798, 2.005  0, 36.798, 2.005

 87, 36.798, 2.005

 97, 36.798, 2.005

 37, 36.798, 2.005  37, 36.798, 2.005

 34, 42.552, 4.470  40, 30.487, 0.026

 32, 47.471, 7.569  44, 23.902,

30, 51.355, 11.460

358.402

29, 54.351, 16.115

48, 17.259,
357.041

29, 55.279, 17.469

51, 10.709,
355.874

55, 4.344, 354.822

60, 1.786, 174.225

64, 7.662, 173.283

68, 13.282,
172.555

72, 18.656,
171.905

Harmonies

Complementary

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



37, 36.798, 2.005



53, 31.761, 168.074

Rectangle

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



37, 36.798, 2.005



37, 36.798, 52.005



37, 36.798, 182.005



37, 36.798, 232.005

Sweetspot

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



37, 36.796, 2.007



66, 13.316, 355.910



35, 51.657, 316.950



33, 8.901, 356.100



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



37, 36.796, 2.007



44, 53.438, 5.165



39, 33.805, 37.500



28, 3.550, 355.047



28, 53.754, 17.254



0, 2.358, 354.267

Inverse Universe

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



37, 36.796, 2.007



44, 53.438, 5.165



50, 21.873, 218.635



28, 3.550, 355.047



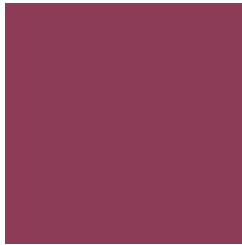
28, 53.754, 17.254



0, 2.358, 354.267

Previews

White Background



This preview shows how the CIELCh color 37, 36.798, 2.005 looks on a white background.

Color Contrast Check

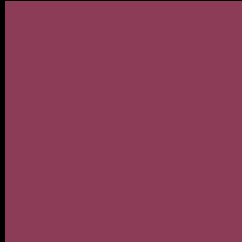
Large Text (above 18pt) WCAG AA ✓ Pass

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, 36.798, 2.005 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, 36.798, 2.005

Background



This preview shows how black text looks on a background with the CIELCh color 37, 36.798, 2.005.

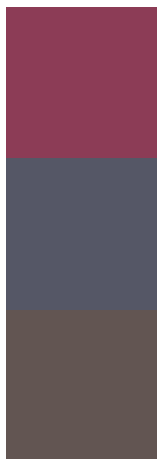


This preview shows how white text looks on a background with the CIELCh color 37, 36.798, 2.005.

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, 36.798, 2.005

Protanopia

37, 9.281, 286.782

Deuteranopia

37, 6.037, 37.831



Tritanopia
37, 34.789, 21.787

Trichromacy



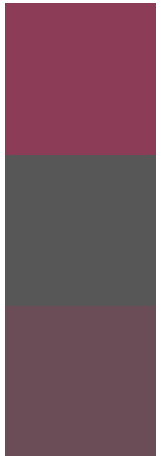
Original Color
37, 36.798, 2.005

Protanomaly
36, 16.568, 336.992

Deuteranomaly
37, 17.010, 5.532

Tritanomaly
37, 34.610, 14.110

Monochromacy



Original Color
37, 36.798, 2.005

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 13.993, 355.612

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 36.798, 2.005 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(140, 60, 86)` looks like.

```
.text, #text, p{  
    color:rgb(140, 60, 86)  
}
```

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(140, 60, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 60, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 36.798, 2.005 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(140, 60, 86) }
```

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

```
.border{ border-color:rgb(140, 60, 86) }
```

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

Here you see how a box with a 4 pixel rgb(140, 60, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 60, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 60, 86);  
box-shadow:4px 4px 4px 4px rgb(140, 60,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 36.798, 2.005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 60, 86) }
```

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

```
.background{ background-color: rgb(140, 60,  
86) }
```

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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