

Converting Colors

CIELCh(37, 35.541, 140.728)

Have a look what the booklet for
CIELCh(37, 35.541, 140.728)
contains.

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Color

CIELCh(37, 36.008, 140.718)

Conversions

Conversions Part 1

Format	Color
Hex	316231
RGB	49, 98, 49
RGB Percent	19%, 38%, 19%
CMY	0.8091, 0.6170, 0.8090
CMYK	0.50, 0.00, 0.50, 0.62
HSL	120°, 33%, 29%
HSV	120°, 50%, 38%
XYZ	6.1358, 9.5379, 4.3902
YIQ	77.7630, -13.4750, -25.6270

Conversions

Conversions Part 2

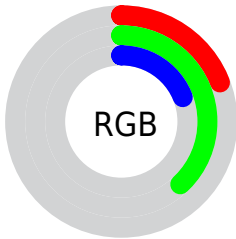
Format	Color
R_{YB}	49, 98, 98
Decimal	3236401
CIE _{Lab}	37.00, -27.87, 22.80
CIE _{LCh}	37, 36.008, 140.718
Yxy	9.5379, 0.3058, 0.4754
Android (android.graphics.Color)	4281426481 (0xFF316231)
YUV	77.7630, -14.1802, -25.2252
Hunter-Lab	30.8835, -18.5827, 13.1901

Details

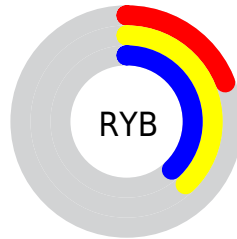
The CIELCh color **37, 36.008, 140.718** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **28, 35.860, 326.912**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 35.960, 140.611**, and **17, 35.685, 139.840** is the 20% darker color. If you saturate the color by 10%, you get **36, 42.382, 139.684**, and if you desaturate by 10%, it is **38, 29.154, 141.672**.

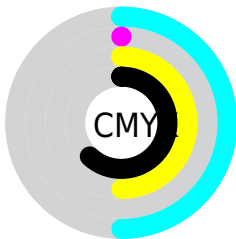
Distribution



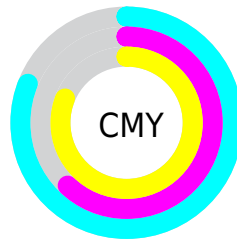
- Red (19%)
- Green (38%)
- Blue (19%)



- Red (19%)
- Yellow (38%)
- Blue (38%)



- Cyan (50%)
- Magenta (0%)
- Yellow (50%)
- Black (62%)





- Cyan (81%)
- Magenta (62%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 36.008, 140.718 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, 36.008, 140.718 by changing the saturation by 10% instead.


 37, 36.008,
140.718


 37, 36.008,
140.718

 100, 36.008,
140.718


 27, 36.008,
140.718

 57, 36.008,
140.718


 17, 36.008,
140.718


 67, 36.008,
140.718

 7, 36.008, 140.718

 77, 36.008,
140.718

 0, 36.008, 140.718

 87, 36.008,
140.718

 97, 36.008,
140.718

■ 37, 36.008,
140.718

■ 37, 36.008,
140.718

■ 36, 42.382,
139.684

■ 38, 29.154,
141.672

■ 36, 48.053,
138.621

■ 38, 22.004,
142.524

■ 36, 52.770,
137.616

■ 39, 14.708,
143.270

■ 36, 56.282,
136.788

■ 40, 7.383, 143.921

■ 35, 59.274,
136.027

■ 41, 0.117, 145.756

■ 43, 7.026, 324.897

■ 44, 14.005,
325.309

■ 45, 20.791,
325.655

■ 47, 27.371,
325.950

Harmonies

Complementary

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



37, 36.008, 140.718



28, 35.860, 326.912

Rectangle

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



37, 36.008, 140.718



37, 36.008, 190.718



37, 36.008, 320.718



37, 36.008, 10.718

Sweetspot

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



37, 36.009, 140.718



51, 13.597, 143.587



40, 28.789, 105.726



26, 9.201, 143.494



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, 36.009, 140.718



47, 52.411, 139.509



37, 24.678, 158.821



19, 4.041, 144.000



41, 65.368, 136.025



83, 114.287, 136.020

Inverse Universe

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



28, 35.860, 326.912



35, 51.924, 327.373



27, 26.006, 348.548



18, 4.048, 324.887



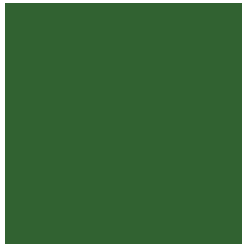
26, 63.054, 328.256



57, 110.224, 328.258

Previews

White Background



This preview shows how the CIELCh color 37, 36.008, 140.718 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, 36.008, 140.718 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, 36.008, 140.718

Background



This preview shows how black text looks on a background with the CIELCh color 37, 36.008, 140.718.



This preview shows how white text looks on a background with the CIELCh color 37, 36.008, 140.718.

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, 36.008, 140.718

Protanopia

37, 25.698, 96.033

Deuteranopia

37, 22.073, 77.676



Tritanopia
37, 12.529, 221.484

Trichromacy



Original Color
37, 36.008, 140.718

Protanomaly
37, 27.460, 117.798

Deuteranomaly
36, 22.419, 110.125

Tritanomaly
37, 17.205, 169.266

Monochromacy



Original Color
37, 36.008, 140.718

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 13.774, 143.210

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 36.008, 140.718 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(49, 98, 49)` looks like.

```
.text, #text, p{  
    color:rgb(49, 98, 49)  
}
```

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(49, 98, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 98, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 36.008, 140.718 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(49, 98, 49) }
```

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

```
.border{ border-color:rgb(49, 98, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 98, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 98, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 98, 49);  
box-shadow:4px 4px 4px 4px rgb(49, 98, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 36.008, 140.718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 98, 49) }
```

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

```
.background{ background-color: rgb(49, 98,  
49) }
```

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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