

Converting Colors

CIELCh(36, 39.679, 171.274)

Have a look what the booklet for
CIELCh(36, 39.679, 171.274)
contains.

CIELCh(37, 32.615, 167.172)	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, 32.615, 167.172)

Conversions

Conversions Part 1

Format	Color
Hex	01644B
RGB	1, 100, 75
RGB Percent	0%, 39%, 29%
CMY	0.9956, 0.6096, 0.7078
CMYK	0.99, 0.00, 0.25, 0.61
HSL	165°, 98%, 20%
HSV	165°, 99%, 39%
XYZ	5.7822, 9.5379, 8.1067
YIQ	67.5490, -50.9790, -28.7630

Conversions

Conversions Part 2

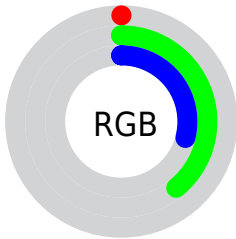
Format	Color
R_{YB}	1, 58, 100
Decimal	91211
CIE _{Lab}	37.00, -31.80, 7.24
CIE _{LCh}	37, 32.615, 167.172
Yxy	9.5379, 0.2468, 0.4071
Android (android.graphics.Color)	4278281291 (0xFF01644B)
YUV	67.5490, 3.6733, -58.3635
Hunter-Lab	30.8835, -20.6264, 6.0552

Details

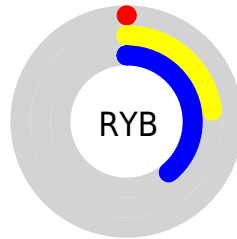
The CIELCh color **37, 32.615, 167.172** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **19, 43.657, 20.977**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 32.814, 167.314**, and **18, 24.197, 158.665** is the 20% darker color. If you saturate the color by 10%, you get **37, 32.823, 166.997**, and if you desaturate by 10%, it is **37, 30.794, 168.822**.

Distribution



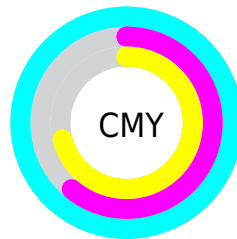
- Red (0%)
- Green (39%)
- Blue (29%)



- Red (0%)
- Yellow (23%)
- Blue (39%)



- Cyan (99%)
- Magenta (0%)
- Yellow (25%)
- Black (61%)





- Cyan (100%)
- Magenta (61%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 32.615, 167.172 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, 32.615, 167.172 by changing the saturation by 10% instead.


 37, 32.615,
167.172


 37, 32.615,
167.172

 100, 32.615,
167.172


 27, 32.615,
167.172

 57, 32.615,
167.172


 17, 32.615,
167.172


 67, 32.615,
167.172

 7, 32.615, 167.172

 77, 32.615,
167.172

 0, 32.615, 167.172

 87, 32.615,
167.172

 97, 32.615,
167.172

■ 37, 32.615,
167.172

■ 37, 32.615,
167.172

■ 37, 32.823,
166.997

■ 37, 30.794,
168.822

■ 37, 28.732,
170.454

■ 38, 26.225,
171.927

■ 38, 23.287,
173.260

■ 39, 19.957,
174.473

■ 39, 16.289,
175.585

■ 40, 12.347,
176.615

■ 41, 8.194, 177.582

Harmonies

Complementary

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



37, 32.615, 167.172



19, 43.657, 20.977

Rectangle

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



37, 32.615, 167.172



37, 32.615, 217.172



37, 32.615, 347.172



37, 32.615, 37.172

Sweetspot

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



37, 32.615, 167.171



51, 15.921, 176.413



36, 57.387, 133.027



26, 10.883, 176.107



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



37, 32.615, 167.171



48, 40.067, 166.346



30, 22.202, 239.562



21, 2.513, 178.512



43, 36.477, 166.633



85, 64.472, 165.307

Inverse Universe

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



19, 43.657, 20.977



26, 53.864, 23.258



21, 45.358, 43.690



19, 2.585, 359.919



23, 48.998, 22.442



51, 87.071, 26.165

Previews

White Background



This preview shows how the CIELCh color 37, 32.615, 167.172 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, 32.615, 167.172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

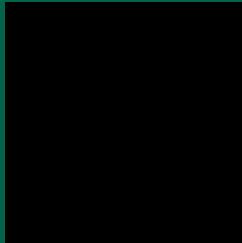
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 32.615, 167.172

Background



This preview shows how black text looks on a background with the CIELCh color 37, 32.615, 167.172.



This preview shows how white text looks on a background with the CIELCh color 37, 32.615, 167.172.

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, 32.674, 167.299

Protanopia
37, 11.985, 94.902

Deuteranopia
37, 7.712, 48.650



Tritanopia
37, 20.161, 211.434

Trichromacy



Original Color
37, 32.674, 167.299

Protanomaly
36, 19.249, 152.124

Deuteranomaly
36, 13.914, 162.099

Tritanomaly
37, 23.427, 190.368

Monochromacy



Original Color
37, 32.674, 167.299

Achromatopsia
28, 0.004, 296.813

Achromatomaly
31, 15.518, 175.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 32.615, 167.172 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(1, 100, 75)` looks like.

```
.text, #text, p{  
    color:rgb(1, 100, 75)  
}
```

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(1, 100, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 100, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 32.615, 167.172 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(1, 100, 75) }
```

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

```
.border{ border-color:rgb(1, 100, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 100, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 100, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 100, 75);  
box-shadow:4px 4px 4px 4px rgb(1, 100, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 32.615, 167.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 100, 75) }
```

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

```
.background{ background-color: rgb(1, 100,  
75) }
```

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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