

Converting Colors

CIELCh(37, 63.043, 1.258)

Have a look what the booklet for
CIELCh(37, 63.043, 1.258) contains.

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Color

CIELCh(37, 62.947, 1.316)

Conversions

Conversions Part 1

Format	Color
Hex	AC0357
RGB	172, 3, 87
RGB Percent	67%, 1%, 34%
CMY	0.3247, 0.9901, 0.6582
CMYK	0.00, 0.99, 0.49, 0.32
HSL	330°, 97%, 34%
HSV	330°, 99%, 68%
XYZ	18.8106, 9.5379, 9.9000
YIQ	63.1070, 73.7600, 61.9520

Conversions

Conversions Part 2

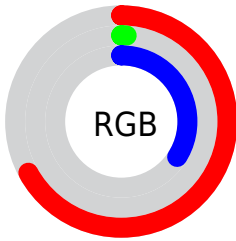
Format	Color
R_{YB}	172, 3, 87
Decimal	11273047
CIE _{Lab}	37.00, 62.93, 1.45
CIE _{LCh}	37, 62.947, 1.316
Yxy	9.5379, 0.4918, 0.2494
Android (android.graphics.Color)	4289463127 (0xFFAC0357)
YUV	63.1070, 11.7792, 95.4992
Hunter-Lab	30.8835, 54.6747, 2.6124

Details

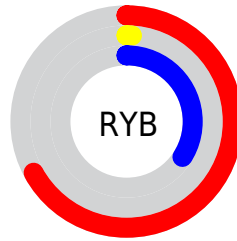
The CIELCh color **37, 62.947, 1.316** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **62, 65.500, 149.637**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 62.956, 1.286**, and **23, 46.540, 11.803** is the 20% darker color. If you saturate the color by 10%, you get **37, 63.156, 1.869**, and if you desaturate by 10%, it is **38, 61.421, 357.639**.

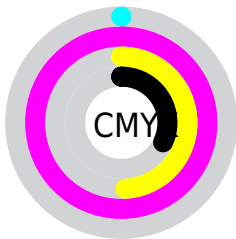
Distribution



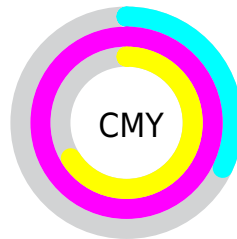
- Red (67%)
- Green (1%)
- Blue (34%)



- Red (67%)
- Yellow (1%)
- Blue (34%)



- Cyan (0%)
- Magenta (99%)
- Yellow (49%)
- Black (32%)



- Cyan (32%)
- Magenta (99%)
- Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 62.947, 1.316 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, 62.947, 1.316 by changing the saturation by 10% instead.

 37, 62.947, 1.316  37, 62.947, 1.316

 100, 62.947, 1.316  27, 62.947, 1.316

 57, 62.947, 1.316  17, 62.947, 1.316



 67, 62.947, 1.316  7, 62.947, 1.316

 77, 62.947, 1.316  0, 62.947, 1.316

 87, 62.947, 1.316

 97, 62.947, 1.316

 37, 62.947, 1.316  37, 62.947, 1.316

 37, 63.156, 1.869  38, 61.421,
357.639

40, 58.369,
354.639

42, 53.573,
352.261

45, 47.303,
350.349

49, 39.967,
348.776

53, 31.970,
347.450

57, 23.651,
346.304

62, 15.256,
345.291

66, 6.949, 344.363

Harmonies

Complementary

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



37, 62.947, 1.316



62, 65.500, 149.637

Rectangle

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



37, 62.947, 1.316



37, 62.947, 51.316



37, 62.947, 181.316



37, 62.947, 231.316

Sweetspot

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



37, 62.944, 1.317



72, 30.863, 346.522



27, 92.270, 312.014



36, 21.044, 346.982



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



37, 62.944, 1.317



48, 76.860, 2.716



36, 76.984, 39.496



34, 4.640, 344.434



32, 57.236, 1.360



2, 9.130, 348.868

Inverse Universe

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



37, 62.944, 1.317



48, 76.860, 2.716



64, 37.248, 196.393



34, 4.640, 344.434



32, 57.236, 1.360



2, 9.130, 348.868

Previews

White Background



This preview shows how the CIELCh color 37, 62.947, 1.316 looks on a white background.

Color Contrast Check

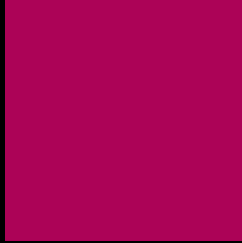
Large Text (above 18pt) WCAG AA ✓ Pass

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, 62.947, 1.316 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, 62.947, 1.316

Background



This preview shows how black text looks on a background with the CIELCh color 37, 62.947, 1.316.



This preview shows how white text looks on a background with the CIELCh color 37, 62.947, 1.316.

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, 62.831, 1.372

Protanopia
38, 23.498, 285.392

Deuteranopia
38, 8.081, 47.155



Tritanopia
38, 63.768, 33.320

Trichromacy



Original Color
37, 62.831, 1.372



Protanomaly
33, 39.324, 326.883



Deuteranomaly
34, 34.176, 358.078



Tritanomaly
37, 61.795, 21.625

Monochromacy



Original Color
37, 62.831, 1.372



Achromatopsia
27, 0.004, 296.813



Achromatomaly
27, 32.045, 350.061

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 62.947, 1.316 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(172, 3, 87)` looks like.

```
.text, #text, p{  
    color:rgb(172, 3, 87)  
}
```

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(172, 3, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 3, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 62.947, 1.316 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(172, 3, 87) }
```

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

```
.border{ border-color:rgb(172, 3, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 3, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 3, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 3, 87);  
box-shadow:4px 4px 4px 4px rgb(172, 3, 87)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 62.947, 1.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 3, 87) }
```

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

```
.background{ background-color: rgb(172, 3,  
87) }
```

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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