

Converting Colors

CIELCh(37, 63.225, 6.455)

Have a look what the booklet for
CIELCh(37, 63.225, 6.455) contains.

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Color

CIELCh(37, 63.277, 6.807)

Conversions

Conversions Part 1

Format	Color
Hex	AE014E
RGB	174, 1, 78
RGB Percent	68%, 0%, 31%
CMY	0.3184, 0.9977, 0.6947
CMYK	0.00, 1.00, 0.55, 0.32
HSL	333°, 99%, 34%
HSV	333°, 100%, 68%
XYZ	18.7913, 9.5379, 8.0322
YIQ	61.5050, 78.3910, 60.6230

Conversions

Conversions Part 2

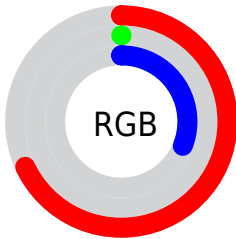
Format	Color
RYB	174, 1, 78
Decimal	11403598
CIELab	37.00, 62.83, 7.50
CIELCh	37, 63.277, 6.807
Yxy	9.5379, 0.5168, 0.2623
Android (android.graphics.Color)	4289593678 (0xFFAE014E)
YUV	61.5050, 8.1320, 98.6581
Hunter-Lab	30.8835, 54.5635, 6.1982

Details

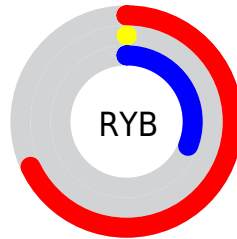
The CIELCh color **37, 63.277, 6.807** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **63, 62.803, 152.204**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 63.390, 6.550**, and **23, 47.822, 18.571** is the 20% darker color. If you saturate the color by 10%, you get **37, 63.339, 6.951**, and if you desaturate by 10%, it is **38, 61.415, 2.582**.

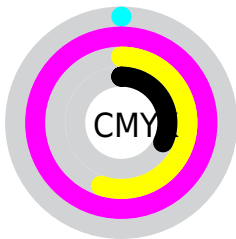
Distribution



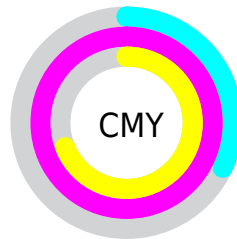
- Red (68%)
- Green (0%)
- Blue (31%)



- Red (68%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (32%)




- Cyan (32%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 63.277, 6.807 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, 63.277, 6.807 by changing the saturation by 10% instead.

 37, 63.277, 6.807  37, 63.277, 6.807

 100, 63.277, 6.807  27, 63.277, 6.807

 57, 63.277, 6.807  17, 63.277, 6.807


 67, 63.277, 6.807  7, 63.277, 6.807

 77, 63.277, 6.807  0, 63.277, 6.807

 87, 63.277, 6.807

 97, 63.277, 6.807

 37, 63.277, 6.807  37, 63.277, 6.807

 37, 63.339, 6.951  38, 61.415, 2.582

 40, 58.293,

359.066

■ 42, 53.524,
356.288

■ 45, 47.331,
354.078

■ 49, 40.096,
352.287

■ 53, 32.221,
350.801

■ 57, 24.040,
349.538

■ 62, 15.803,
348.438

■ 66, 7.671, 347.449

Harmonies

Complementary

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



37, 63.277, 6.807



63, 62.803, 152.204

Rectangle

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



37, 63.277, 6.807



37, 63.277, 56.807



37, 63.277, 186.807



37, 63.277, 236.807

Sweetspot

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



37, 63.274, 6.809



73, 30.215, 349.641



28, 92.437, 313.160



36, 20.814, 350.146



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



37, 63.274, 6.809



49, 77.327, 7.904



36, 77.502, 40.427



34, 4.482, 347.414



32, 56.952, 6.338



2, 8.876, 351.687

Inverse Universe

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



37, 63.274, 6.809



49, 77.327, 7.904



62, 35.174, 204.621



34, 4.482, 347.414



32, 56.952, 6.338



2, 8.876, 351.687

Previews

White Background



This preview shows how the CIELCh color 37, 63.277, 6.807 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, 63.277, 6.807 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, 63.277, 6.807

Background



This preview shows how black text looks on a background with the CIELCh color 37, 63.277, 6.807.



This preview shows how white text looks on a background with the CIELCh color 37, 63.277, 6.807.

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, 63.277, 6.807

Protanopia

38, 14.824, 285.230

Deuteranopia

38, 12.840, 65.362



Tritanopia
38, 66.695, 34.658

Trichromacy



Original Color
37, 63.277, 6.807

Protanomaly
33, 35.053, 337.314

Deuteranomaly
34, 34.552, 8.460

Tritanomaly
37, 64.376, 25.192

Monochromacy



Original Color
37, 63.277, 6.807

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 31.713, 353.997

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 63.277, 6.807 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(174, 1, 78)` looks like.

```
.text, #text, p{  
    color:rgb(174, 1, 78)  
}
```

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(174, 1, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 1, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 63.277, 6.807 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(174, 1, 78) }
```

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

```
.border{ border-color:rgb(174, 1, 78) }
```

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

Here you see how a box with a 4 pixel rgb(174, 1, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 1, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 1, 78);  
box-shadow:4px 4px 4px 4px rgb(174, 1, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 63.277, 6.807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 1, 78) }
```

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

```
.background{ background-color: rgb(174, 1,  
78) }
```

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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