

Converting Colors

CIELCh(37, 65.313, 351.272)

Have a look what the booklet for
CIELCh(37, 65.313, 351.272)
contains.

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Color

CIELCh(37, 65.100, 351.198)

Conversions

Conversions Part 1

Format	Color
Hex	AA0069
RGB	170, 0, 105
RGB Percent	67%, 0%, 41%
CMY	0.3339, 1.0000, 0.5887
CMYK	0.00, 1.00, 0.38, 0.33
HSL	323°, 100%, 33%
HSV	323°, 100%, 67%
XYZ	19.0836, 9.5379, 14.1653
YIQ	62.8000, 67.6150, 68.6950

Conversions

Conversions Part 2

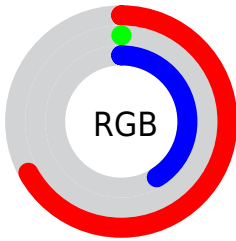
Format	Color
R_{YB}	170, 0, 105
Decimal	11141225
CIE _{Lab}	37.00, 64.33, -9.96
CIE _{LCh}	37, 65.100, 351.198
Yxy	9.5379, 0.4460, 0.2229
Android (android.graphics.Color)	4289331305 (0xFFAA0069)
YUV	62.8000, 20.8046, 94.0144
Hunter-Lab	30.8835, 56.2527, -5.5759

Details

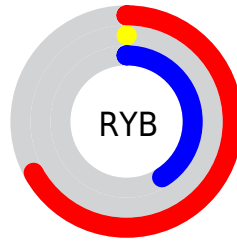
The CIELCh color **37, 65.100, 351.198** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **61, 73.122, 144.120**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 65.264, 351.301**, and **23, 46.599, 358.346** is the 20% darker color. If you saturate the color by 10%, you get **37, 65.051, 351.212**, and if you desaturate by 10%, it is **38, 64.080, 348.686**.

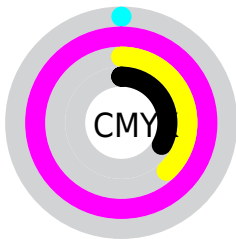
Distribution



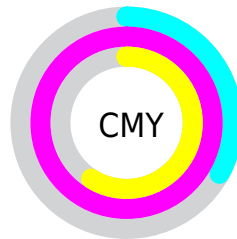
- Red (67%)
- Green (0%)
- Blue (41%)



- Red (67%)
- Yellow (0%)
- Blue (41%)



- Cyan (0%)
- Magenta (100%)
- Yellow (38%)
- Black (33%)





- Cyan (33%)
- Magenta (100%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 65.100, 351.198 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, 65.100, 351.198 by changing the saturation by 10% instead.


 37, 65.100,
351.198


 37, 65.100,
351.198

 100, 65.100,
351.198


 27, 65.100,
351.198

 57, 65.100,
351.198


 17, 65.100,
351.198


 67, 65.100,
351.198

 7, 65.100, 351.198

 77, 65.100,
351.198

 0, 65.100, 351.198

 87, 65.100,
351.198

 97, 65.100,
351.198

■ 37, 65.100,
351.198

■ 37, 65.100,
351.198

■ 37, 65.051,
351.212

■ 38, 64.080,
348.686

■ 40, 61.542,
346.568

■ 42, 57.059,
344.848

■ 45, 50.902,
343.422

■ 48, 43.484,
342.208

■ 52, 35.237,
341.146

■ 56, 26.527,
340.196

■ 60, 17.634,

339.330

■ 65, 8.752, 338.523

Harmonies

Complementary

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



37, 65.100, 351.198



61, 73.122, 144.120

Rectangle

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



37, 65.100, 351.198



37, 65.100, 41.198



37, 65.100, 171.198



37, 65.100, 221.198

Sweetspot

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



37, 65.051, 351.212



72, 32.965, 340.246



23, 94.541, 309.362



36, 22.654, 340.625



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, 65.051, 351.212



49, 79.131, 351.796



35, 71.379, 33.661



33, 4.913, 338.465



32, 58.885, 350.856



2, 8.409, 341.576

Inverse Universe

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



37, 65.051, 351.212



49, 79.131, 351.796



62, 42.162, 178.262



33, 4.913, 338.465



32, 58.885, 350.856



2, 8.409, 341.576

Previews

White Background



This preview shows how the CIELCh color 37, 65.100, 351.198 looks on a white background.

Color Contrast Check

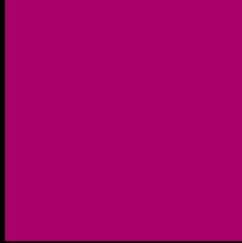
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 37, 65.100, 351.198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

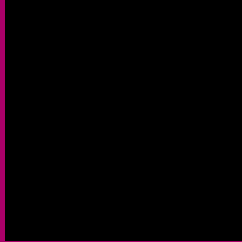
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 65.100, 351.198

Background



This preview shows how black text looks on a background with the CIELCh color 37, 65.100, 351.198.

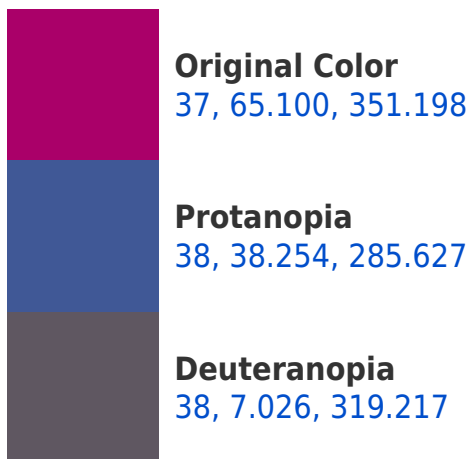


This preview shows how white text looks on a background with the CIELCh color 37, 65.100, 351.198.

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





Tritanopia
38, 58.710, 30.827

Trichromacy



Original Color
37, 65.100, 351.198

Protanomaly
33, 50.445, 314.619

Deuteranomaly
34, 37.431, 339.802

Tritanomaly
37, 58.300, 14.986

Monochromacy



Original Color
37, 65.100, 351.198

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 34.085, 343.397

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 65.100, 351.198 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(170, 0, 105)` looks like.

```
.text, #text, p{  
    color:rgb(170, 0, 105)  
}
```

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(170, 0, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 0, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 65.100, 351.198 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(170, 0, 105) }
```

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

```
.border{ border-color:rgb(170, 0, 105) }
```

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

Here you see how a box with a 4 pixel rgb(170, 0, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 0, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 0, 105);  
box-shadow:4px 4px 4px 4px rgb(170, 0,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 65.100, 351.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 0, 105) }
```

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

```
.background{ background-color: rgb(170, 0,  
105) }
```

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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