

Converting Colors

CIELCh(36, 65.625, 347.198)

Have a look what the booklet for
CIELCh(36, 65.625, 347.198)
contains.

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Color

CIELCh(36, 65.406, 347.198)

Conversions

Conversions Part 1

Format	Color
Hex	A4006D
RGB	164, 0, 109
RGB Percent	64%, 0%, 43%
CMY	0.3555, 1.0000, 0.5708
CMYK	0.00, 1.00, 0.33, 0.36
HSL	320°, 100%, 32%
HSV	320°, 100%, 64%
XYZ	18.1483, 9.0082, 15.3753
YIQ	61.4620, 62.7550, 68.6670

Conversions

Conversions Part 2

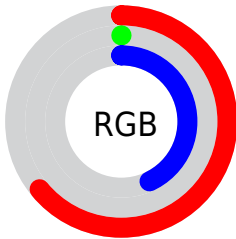
Format	Color
RYB	164, 0, 109
Decimal	10748013
CIELab	36.00, 63.78, -14.49
CIELCh	36, 65.406, 347.198
Yxy	9.0082, 0.4267, 0.2118
Android (android.graphics.Color)	4288938093 (0xFFA4006D)
YUV	61.4620, 23.4362, 89.9258
Hunter-Lab	30.0136, 55.4095, -9.3634

Details

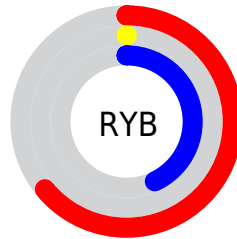
The CIELCh color **36, 65.406, 347.198** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **59, 74.122, 142.432**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 65.189, 347.096**, and **22, 45.947, 353.671** is the 20% darker color. If you saturate the color by 10%, you get **36, 65.191, 347.248**, and if you desaturate by 10%, it is **37, 64.211, 345.200**.

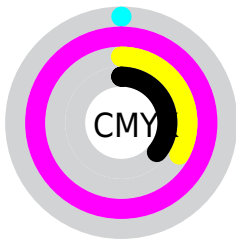
Distribution



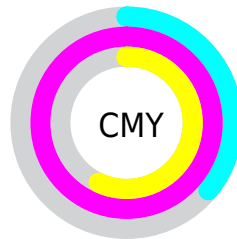
- Red (64%)
- Green (0%)
- Blue (43%)



- Red (64%)
- Yellow (0%)
- Blue (43%)



- Cyan (0%)
- Magenta (100%)
- Yellow (33%)
- Black (36%)





- Cyan (36%)
- Magenta (100%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 65.406, 347.198 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 36, 65.406, 347.198 by changing the saturation by 10% instead.


 36, 65.406,
347.198


 36, 65.406,
347.198

 100, 65.406,
347.198


 26, 65.406,
347.198

 56, 65.406,
347.198


 16, 65.406,
347.198


 66, 65.406,
347.198

 6, 65.406, 347.198

 76, 65.406,
347.198

 0, 65.406, 347.198

 86, 65.406,
347.198

 96, 65.406,
347.198

■ 36, 65.406,
347.198

■ 36, 65.406,
347.198

■ 36, 65.191,
347.248

■ 37, 64.211,
345.200

■ 39, 61.673,
343.458

■ 41, 57.198,
342.017

■ 43, 51.054,
340.797

■ 47, 43.649,
339.733

■ 50, 35.403,
338.783

■ 54, 26.677,
337.917

■ 59, 17.751,

337.115

■ 63, 8.818, 336.357

Harmonies

Complementary

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



36, 65.406, 347.198



59, 74.122, 142.432

Rectangle

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



36, 65.406, 347.198



36, 65.406, 37.198



36, 65.406, 167.198



36, 65.406, 217.198

Sweetspot

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



36, 65.191, 347.248



69, 33.095, 337.963



22, 92.825, 308.871



34, 22.514, 338.301



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



36, 65.191, 347.248



47, 79.115, 347.730



34, 68.059, 31.344



32, 4.957, 336.302



32, 59.693, 346.986



1, 7.344, 338.244

Inverse Universe

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



36, 65.191, 347.248



47, 79.115, 347.730



60, 42.831, 174.519



32, 4.957, 336.302



32, 59.693, 346.986



1, 7.344, 338.244

Previews

White Background



This preview shows how the CIELCh color 36, 65.406, 347.198 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 36, 65.406, 347.198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

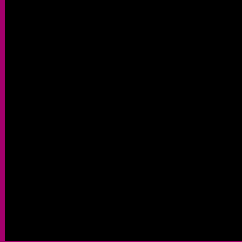
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 65.406, 347.198

Background



This preview shows how black text looks on a background with the CIELCh color 36, 65.406, 347.198.



This preview shows how white text looks on a background with the CIELCh color 36, 65.406, 347.198.

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



Original Color

36, 65.043, 347.343

Protanopia

37, 43.948, 286.344

Deuteranopia

37, 9.984, 298.627



Tritanopia
37, 55.222, 29.933

Trichromacy



Original Color
36, 65.043, 347.343

Protanomaly
32, 54.259, 311.196

Deuteranomaly
33, 38.130, 333.090

Tritanomaly
36, 56.154, 12.120

Monochromacy



Original Color
36, 65.043, 347.343

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 34.300, 340.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 65.406, 347.198 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(164, 0, 109)` looks like.

```
.text, #text, p{  
    color:rgb(164, 0, 109)  
}
```

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(164, 0, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 0, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 65.406, 347.198 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(164, 0, 109) }
```

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

```
.border{ border-color:rgb(164, 0, 109) }
```

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

Here you see how a box with a 4 pixel rgb(164, 0, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 0, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 0, 109);  
box-shadow:4px 4px 4px 4px rgb(164, 0,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 65.406, 347.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 0, 109) }
```

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

```
.background{ background-color: rgb(164, 0,  
109) }
```

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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