

Converting Colors

CIELCh(36, 72.466, 334.713)

Have a look what the booklet for
CIELCh(36, 72.466, 334.713)
contains.

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Color

CIELCh(36, 72.560, 334.592)

Conversions

Conversions Part 1

Format	Color
Hex	9E0088
RGB	158, 0, 136
RGB Percent	62%, 0%, 53%
CMY	0.3812, 1.0000, 0.4674
CMYK	0.00, 1.00, 0.14, 0.38
HSL	308°, 100%, 31%
HSV	308°, 100%, 62%
XYZ	18.4834, 9.0082, 23.9850
YIQ	62.7460, 50.5120, 75.7920

Conversions

Conversions Part 2

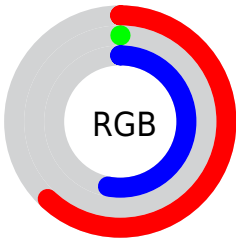
Format	Color
R_{YB}	158, 0, 136
Decimal	10354824
CIE _{Lab}	36.00, 65.54, -31.13
CIE _{LCh}	36, 72.560, 334.592
Yxy	9.0082, 0.3591, 0.1750
Android (android.graphics.Color)	4288544904 (0xFF9E0088)
YUV	62.7460, 36.1142, 83.5378
Hunter-Lab	30.0136, 57.4027, -26.3714

Details

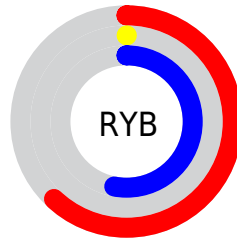
The CIELCh color **36, 72.560, 334.592** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **57, 80.501, 137.614**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 72.760, 334.439**, and **22, 52.512, 335.174** is the 20% darker color. If you saturate the color by 10%, you get **36, 72.485, 334.595**, and if you desaturate by 10%, it is **37, 70.970, 333.938**.

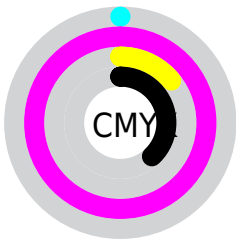
Distribution



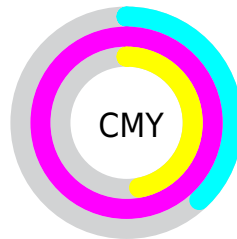
- Red (62%)
- Green (0%)
- Blue (53%)



- Red (62%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (14%)
- Black (38%)





- Cyan (38%)
- Magenta (100%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 72.560, 334.592 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, 72.560, 334.592 by changing the saturation by 10% instead.


 36, 72.560,
334.592


 36, 72.560,
334.592

 100, 72.560,
334.592


 26, 72.560,
334.592

 56, 72.560,
334.592


 16, 72.560,
334.592


 66, 72.560,
334.592

 6, 72.560, 334.592

 76, 72.560,
334.592

 0, 72.560, 334.592

 86, 72.560,
334.592

 96, 72.560,
334.592

■ 36, 72.560,
334.592

■ 36, 72.560,
334.592

■ 36, 72.485,
334.595

■ 37, 70.970,
333.938

■ 38, 67.898,
333.309

■ 40, 62.871,
332.700

■ 43, 56.132,
332.095

■ 46, 48.060,
331.488

■ 49, 39.062,
330.878

■ 53, 29.504,
330.267

■ 57, 19.677,

329.658

■ 61, 9.796, 329.052

Harmonies

Complementary

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



36, 72.560, 334.592



57, 80.501, 137.614

Rectangle

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



36, 72.560, 334.592



36, 72.560, 24.592



36, 72.560, 154.592



36, 72.560, 204.592

Sweetspot

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



36, 72.485, 334.595



67, 36.362, 330.301



18, 92.646, 306.848



33, 24.701, 330.539



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



36, 72.485, 334.595



47, 87.526, 334.734



33, 59.580, 14.162



31, 5.545, 329.006



32, 67.442, 334.532



1, 7.080, 329.355

Inverse Universe

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



36, 72.485, 334.595



47, 87.526, 334.734



57, 53.292, 157.253



31, 5.545, 329.006



32, 67.442, 334.532



1, 7.080, 329.355

Previews

White Background



This preview shows how the CIELCh color 36, 72.560, 334.592 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, 72.560, 334.592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

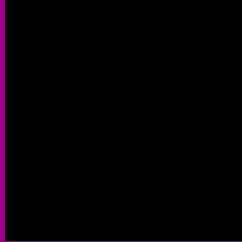
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 72.560, 334.592

Background



This preview shows how black text looks on a background with the CIELCh color 36, 72.560, 334.592.

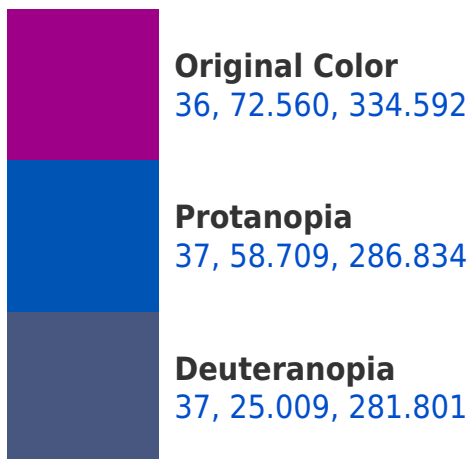


This preview shows how white text looks on a background with the CIELCh color 36, 72.560, 334.592.

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
37, 45.832, 25.614

Trichromacy



Original Color
36, 72.560, 334.592



Protanomaly
30, 69.108, 301.610



Deuteranomaly
32, 48.970, 316.136



Tritanomaly
35, 51.924, 358.971

Monochromacy



Original Color
36, 72.560, 334.592



Achromatopsia
27, 0.004, 296.813



Achromatomaly
26, 37.321, 331.885

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 72.560, 334.592 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(158, 0, 136)` looks like.

```
.text, #text, p{  
    color:rgb(158, 0, 136)  
}
```

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(158, 0, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 0, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 72.560, 334.592 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(158, 0, 136) }
```

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

```
.border{ border-color:rgb(158, 0, 136) }
```

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

Here you see how a box with a 4 pixel rgb(158, 0, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 0, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 0, 136);  
box-shadow:4px 4px 4px 4px rgb(158, 0,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 72.560, 334.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 0, 136) }
```

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

```
.background{ background-color: rgb(158, 0,  
136) }
```

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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