

Converting Colors

CIELCh(33, 66.836, 336.979)

Have a look what the booklet for
CIELCh(33, 66.836, 336.979)
contains.

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Color

CIELCh(33, 66.607, 336.987)

Conversions

Conversions Part 1

Format	Color
Hex	930078
RGB	147, 0, 120
RGB Percent	58%, 0%, 47%
CMY	0.4240, 1.0000, 0.5299
CMYK	0.00, 1.00, 0.18, 0.42
HSL	311°, 100%, 29%
HSV	311°, 100%, 58%
XYZ	15.3883, 7.5373, 18.3746
YIQ	57.6330, 49.0920, 68.4840

Conversions

Conversions Part 2

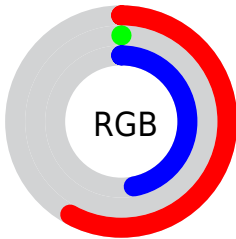
Format	Color
R_{YB}	147, 0, 120
Decimal	9633912
CIE _{Lab}	33.00, 61.31, -26.04
CIE _{LCh}	33, 66.607, 336.987
Yxy	7.5373, 0.3726, 0.1825
Android (android.graphics.Color)	4287823992 (0xFF930078)
YUV	57.6330, 30.7469, 78.3749
Hunter-Lab	27.4541, 52.0063, -20.4640

Details

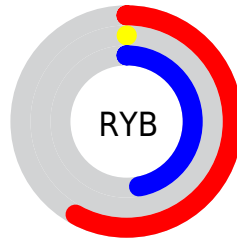
The CIELCh color **33, 66.607, 336.987** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **53, 74.730, 138.529**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 66.766, 336.969**, and **19, 46.462, 338.455** is the 20% darker color. If you saturate the color by 10%, you get **33, 66.560, 336.991**, and if you desaturate by 10%, it is **34, 65.132, 336.103**.

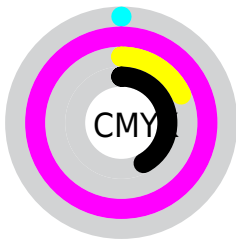
Distribution



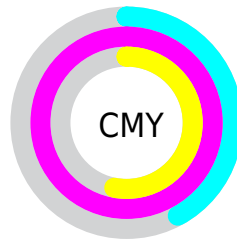
- Red (58%)
- Green (0%)
- Blue (47%)



- Red (58%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (18%)
- Black (42%)





- Cyan (42%)
- Magenta (100%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 66.607, 336.987 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 33, 66.607, 336.987 by changing the saturation by 10% instead.


 33, 66.607,
336.987


 33, 66.607,
336.987

 100, 66.607,
336.987


 23, 66.607,
336.987

 53, 66.607,
336.987


 13, 66.607,
336.987


 63, 66.607,
336.987

 3, 66.607, 336.987

 73, 66.607,
336.987

 0, 66.607, 336.987

 83, 66.607,
336.987

 93, 66.607,
336.987

■ 33, 66.607,
336.987

■ 33, 66.607,
336.987

■ 33, 66.560,
336.991

■ 34, 65.132,
336.103

■ 35, 62.307,
335.282

■ 37, 57.664,
334.528

■ 39, 51.447,
333.815

■ 42, 44.015,
333.129

■ 46, 35.750,
332.460

■ 49, 26.987,
331.806

■ 53, 17.990,

331.167

■ 57, 8.953, 330.537

Harmonies

Complementary

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



33, 66.607, 336.987



53, 74.730, 138.529

Rectangle

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



33, 66.607, 336.987



33, 66.607, 26.987



33, 66.607, 156.987



33, 66.607, 206.987

Sweetspot

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



33, 66.560, 336.991



63, 33.464, 331.846



17, 87.384, 307.241



31, 22.971, 332.095



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



33, 66.560, 336.991



44, 80.655, 337.209



30, 57.386, 18.459



29, 5.084, 330.487



31, 63.558, 336.930



1, 4.419, 329.965

Inverse Universe

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



33, 66.560, 336.991



44, 80.655, 337.209



54, 47.472, 160.993



29, 5.084, 330.487



31, 63.558, 336.930



1, 4.419, 329.965

Previews

White Background



This preview shows how the CIELCh color 33, 66.607, 336.987 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 33, 66.607, 336.987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

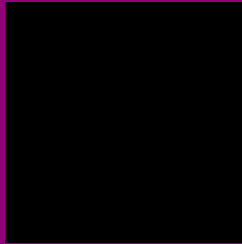
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 66.607, 336.987

Background



This preview shows how black text looks on a background with the CIELCh color 33, 66.607, 336.987.

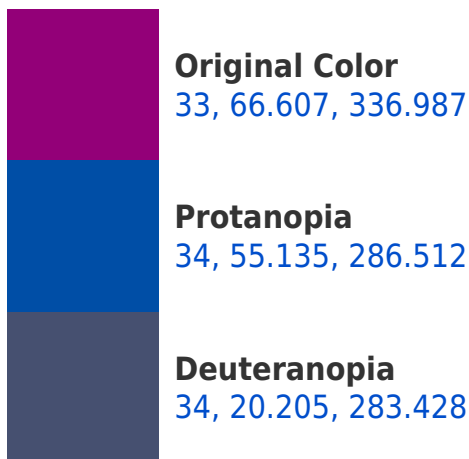


This preview shows how white text looks on a background with the CIELCh color 33, 66.607, 336.987.

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
34, 44.763, 26.639

Trichromacy



Original Color
33, 66.607, 336.987

Protanomaly
27, 63.145, 301.197

Deuteranomaly
30, 43.224, 318.977

Tritanomaly
32, 49.324, 2.299

Monochromacy



Original Color
33, 66.607, 336.987

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 34.510, 332.977

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 66.607, 336.987 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(147, 0, 120)` looks like.

```
.text, #text, p{  
    color:rgb(147, 0, 120)  
}
```

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(147, 0, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 0, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 66.607, 336.987 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(147, 0, 120) }
```

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

```
.border{ border-color:rgb(147, 0, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 0, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 0, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 0, 120);  
box-shadow:4px 4px 4px 4px rgb(147, 0,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 66.607, 336.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 0, 120) }
```

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

```
.background{ background-color: rgb(147, 0,  
120) }
```

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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