

Converting Colors

CIELCh(36, 97.394, 317.387)

Have a look what the booklet for
CIELCh(36, 97.394, 317.387)
contains.

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Color

CIELCh(36, 97.133, 317.319)

Conversions

Conversions Part 1

Format	Color
Hex	8700C1
RGB	135, 0, 193
RGB Percent	53%, 0%, 76%
CMY	0.4704, 0.9996, 0.2430
CMYK	0.30, 1.00, 0.00, 0.24
HSL	282°, 100%, 38%
HSV	282°, 100%, 76%
XYZ	19.6289, 9.0082, 51.1785
YIQ	62.3670, 18.5070, 88.6430

Conversions

Conversions Part 2

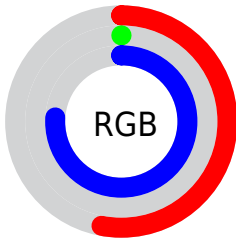
Format	Color
R_{YB}	135, 0, 193
Decimal	8847553
CIE _{Lab}	36.00, 71.41, -65.85
CIE _{LCh}	36, 97.133, 317.319
Yxy	9.0082, 0.2459, 0.1129
Android (android.graphics.Color)	4287037633 (0xFF8700C1)
YUV	62.3670, 64.4021, 63.6991
Hunter-Lab	30.0136, 64.2152, -80.0905

Details

The CIELCh color **36, 97.133, 317.319** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **69, 93.596, 133.176**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 97.131, 317.294**, and **22, 77.891, 313.562** is the 20% darker color. If you saturate the color by 10%, you get **36, 97.149, 317.317**, and if you desaturate by 10%, it is **38, 93.719, 317.879**.

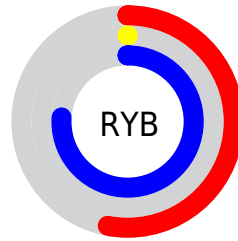
Distribution



Red (53%)

Green (0%)

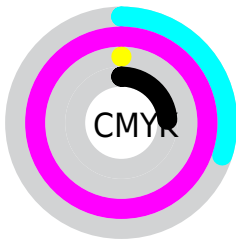
Blue (76%)



Red (53%)

Yellow (0%)

Blue (76%)

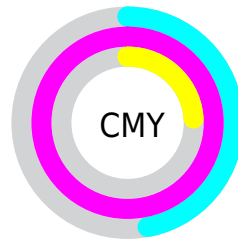


Cyan (30%)

Magenta (100%)

Yellow (0%)

Black (24%)



Cyan (47%)


Magenta (100%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 97.133, 317.319 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, 97.133, 317.319 by changing the saturation by 10% instead.


 36, 97.133,
317.319


 36, 97.133,
317.319

 100, 97.133,
317.319


 26, 97.133,
317.319

 56, 97.133,
317.319


 16, 97.133,
317.319


 66, 97.133,
317.319

 6, 97.133, 317.319

 76, 97.133,
317.319

 0, 97.133, 317.319

 86, 97.133,
317.319

 96, 97.133,
317.319

■ 36, 97.133,
317.319

■ 36, 97.133,
317.319

■ 36, 97.149,
317.317

■ 38, 93.719,
317.879

■ 40, 88.056,
318.187

■ 44, 80.028,
318.231

■ 48, 70.199,
318.076

■ 52, 59.178,
317.784

■ 57, 47.482,
317.408

■ 62, 35.496,
316.988

■ 67, 23.479,

316.551

■ 73, 11.598,
316.113

Harmonies

Complementary

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



36, 97.133, 317.319



69, 93.596, 133.176

Rectangle

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



36, 97.133, 317.319



36, 97.133, 7.319



36, 97.133, 137.319



36, 97.133, 187.319

Sweetspot

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



36, 97.132, 317.319



78, 43.861, 317.010



32, 81.638, 297.596



39, 29.970, 317.192



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



36, 97.132, 317.319



47, 118.065, 317.168



44, 81.231, 337.186



38, 6.626, 316.087



29, 84.725, 317.445



3, 21.206, 313.119

Inverse Universe

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



41, 71.151, 21.223



53, 86.890, 22.232



68, 92.196, 138.181



38, 4.520, 356.742



33, 61.841, 20.392



3, 14.617, 3.449

Previews

White Background



This preview shows how the CIELCh color 36, 97.133, 317.319 looks on a white background.

Color Contrast Check

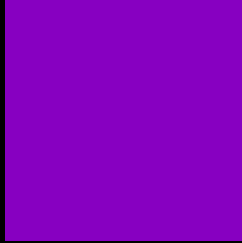
Large Text (above 18pt) WCAG AA ✓ Pass

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 36, 97.133, 317.319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

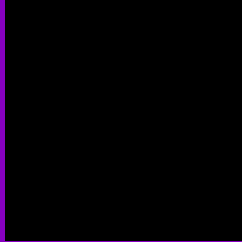
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 97.133, 317.319

Background



This preview shows how black text looks on a background with the CIELCh color 36, 97.133, 317.319.



This preview shows how white text looks on a background with the CIELCh color 36, 97.133, 317.319.

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, 97.133, 317.319

Protanopia

37, 57.573, 286.320

Deuteranopia

37, 41.252, 274.007



Tritanopia
37, 18.663, 11.215

Trichromacy



Original Color
36, 97.133, 317.319



Protanomaly
31, 80.481, 301.504



Deuteranomaly
30, 69.579, 299.605



Tritanomaly
33, 50.685, 327.785

Monochromacy



Original Color
36, 97.133, 317.319



Achromatopsia
26, 0.004, 296.813



Achromatomaly
26, 47.608, 318.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 97.133, 317.319 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(135, 0, 193)` looks like.

```
.text, #text, p{  
    color:rgb(135, 0, 193)  
}
```

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(135, 0, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 0, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 97.133, 317.319 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(135, 0, 193) }
```

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

```
.border{ border-color:rgb(135, 0, 193) }
```

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

Here you see how a box with a 4 pixel rgb(135, 0, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 0, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 0, 193);  
box-shadow:4px 4px 4px 4px rgb(135, 0,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 97.133, 317.319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 0, 193) }
```

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

```
.background{ background-color: rgb(135, 0,  
193) }
```

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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