

Converting Colors

CIELCh(37, 95.590, 319.019)

Have a look what the booklet for
CIELCh(37, 95.590, 319.019)
contains.

CIELCh(37, 95.540, 318.927)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(37, 95.540, 318.927)

Conversions

Conversions Part 1

Format	Color
Hex	8F00BF
RGB	143, 0, 191
RGB Percent	56%, 0%, 75%
CMY	0.4405, 1.0000, 0.2523
CMYK	0.25, 1.00, 0.00, 0.25
HSL	285°, 100%, 37%
HSV	285°, 100%, 75%
XYZ	20.6275, 9.5379, 49.8551
YIQ	64.5310, 23.9170, 89.7170

Conversions

Conversions Part 2

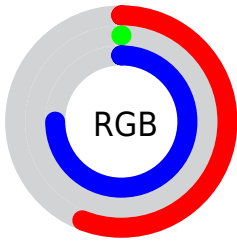
Format	Color
R_{YB}	143, 0, 191
Decimal	9371839
CIE _{Lab}	37.00, 72.03, -62.77
CIE _{LCh}	37, 95.540, 318.927
Yxy	9.5379, 0.2578, 0.1192
Android (android.graphics.Color)	4287561919 (0xFF8F00BF)
YUV	64.5310, 62.3492, 68.8173
Hunter-Lab	30.8835, 65.1761, -74.0930

Details

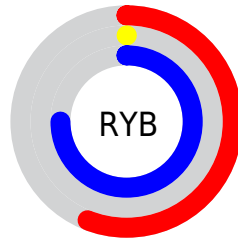
The CIELCh color **37, 95.540, 318.927** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **68, 93.690, 133.980**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 95.345, 319.043**, and **23, 76.018, 315.374** is the 20% darker color. If you saturate the color by 10%, you get **37, 95.426, 318.912**, and if you desaturate by 10%, it is **39, 92.284, 319.414**.

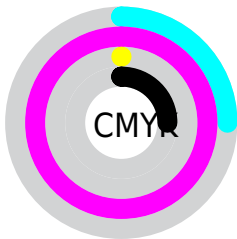
Distribution



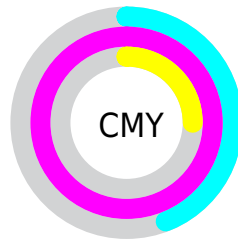
- Red (56%)
- Green (0%)
- Blue (75%)



- Red (56%)
- Yellow (0%)
- Blue (75%)



- Cyan (25%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)





- Cyan (44%)
- Magenta (100%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 95.540, 318.927 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, 95.540, 318.927 by changing the saturation by 10% instead.


 37, 95.540,
318.927


 37, 95.540,
318.927

 100, 95.540,
318.927


 27, 95.540,
318.927

 57, 95.540,
318.927


 17, 95.540,
318.927


 67, 95.540,
318.927

 7, 95.540, 318.927

 77, 95.540,
318.927

 0, 95.540, 318.927

 87, 95.540,
318.927

 97, 95.540,
318.927

■ 37, 95.540,
318.927

■ 37, 95.540,
318.927

■ 37, 95.426,
318.912

■ 39, 92.284,
319.414

■ 41, 86.973,
319.693

■ 44, 79.311,
319.733

■ 48, 69.800,
319.585

■ 52, 59.017,
319.305

■ 57, 47.475,
318.939

■ 62, 35.571,
318.524

■ 67, 23.582,

318.088

■ 72, 11.690,
317.646

Harmonies

Complementary

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



37, 95.540, 318.927



68, 93.690, 133.980

Rectangle

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



37, 95.540, 318.927



37, 95.540, 8.927



37, 95.540, 138.927



37, 95.540, 188.927

Sweetspot

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



37, 95.426, 318.912



78, 43.950, 318.545



30, 86.902, 299.973



39, 30.260, 318.725



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



37, 95.426, 318.912



48, 116.113, 318.778



43, 77.590, 340.289



37, 6.565, 317.617



30, 83.022, 319.029



3, 19.216, 314.541

Inverse Universe

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



40, 72.378, 25.459



52, 88.641, 26.450



68, 89.009, 139.281



37, 4.321, 0.205



33, 62.628, 24.577



3, 12.680, 5.221

Previews

White Background



This preview shows how the CIELCh color 37, 95.540, 318.927 looks on a white background.

Color Contrast Check

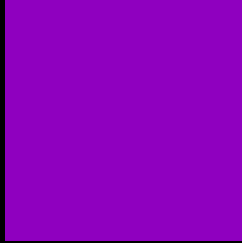
Large Text (above 18pt) WCAG AA ✓ Pass

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 37, 95.540, 318.927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

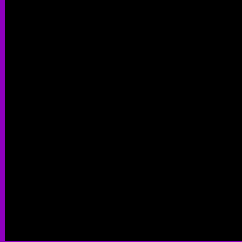
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 95.540, 318.927

Background



This preview shows how black text looks on a background with the CIELCh color 37, 95.540, 318.927.



This preview shows how white text looks on a background with the CIELCh color 37, 95.540, 318.927.

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

37, 95.540, 318.927

Protanopia

38, 59.135, 286.601

Deuteranopia

38, 42.812, 274.581



Tritanopia
38, 22.707, 15.525

Trichromacy



Original Color
37, 95.540, 318.927



Protanomaly
32, 80.251, 301.439



Deuteranomaly
31, 69.904, 299.622



Tritanomaly
35, 50.726, 331.977

Monochromacy



Original Color
37, 95.540, 318.927



Achromatopsia
27, 0.004, 296.813



Achromatomaly
27, 46.581, 319.747

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 95.540, 318.927 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(143, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(143, 0, 191)  
}
```

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(143, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 0, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 95.540, 318.927 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(143, 0, 191) }
```

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

```
.border{ border-color:rgb(143, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(143, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(143, 0,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 95.540, 318.927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 0, 191) }
```

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

```
.background{ background-color: rgb(143, 0,  
191) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

[@ConvertingColor](https://twitter.com/ConvertingColor)