

Converting Colors

CIELCh(36, 91.224, 320.300)

Have a look what the booklet for
CIELCh(36, 91.224, 320.300)
contains.

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Color

CIELCh(36, 90.819, 320.330)

Conversions

Conversions Part 1

Format	Color
Hex	8E00B4
RGB	142, 0, 180
RGB Percent	56%, 0%, 71%
CMY	0.4440, 1.0000, 0.2949
CMYK	0.21, 1.00, 0.00, 0.29
HSL	287°, 100%, 35%
HSV	287°, 100%, 71%
XYZ	19.3316, 9.0082, 43.7927
YIQ	62.9780, 26.8520, 86.0840

Conversions

Conversions Part 2

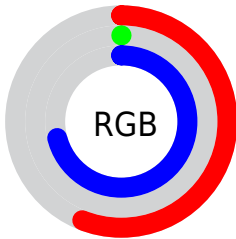
Format	Color
R_{YB}	142, 0, 180
Decimal	9306292
CIE _{Lab}	36.00, 69.91, -57.98
CIE _{LCh}	36, 90.819, 320.330
Yxy	9.0082, 0.2680, 0.1249
Android (android.graphics.Color)	4287496372 (0xFF8E00B4)
YUV	62.9780, 57.6918, 69.3023
Hunter-Lab	30.0136, 62.4469, -65.5002

Details

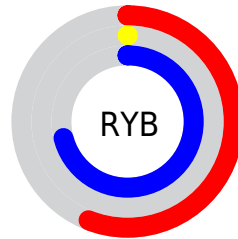
The CIELCh color **36, 90.819, 320.330** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **64, 90.282, 134.494**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 90.875, 320.259**, and **22, 71.223, 316.894** is the 20% darker color. If you saturate the color by 10%, you get **36, 90.747, 320.321**, and if you desaturate by 10%, it is **37, 87.809, 320.746**.

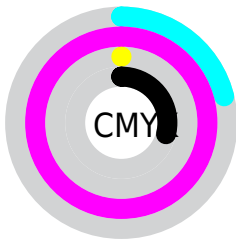
Distribution



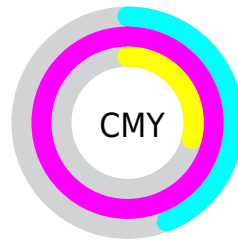
- Red (56%)
- Green (0%)
- Blue (71%)



- Red (56%)
- Yellow (0%)
- Blue (71%)



- Cyan (21%)
- Magenta (100%)
- Yellow (0%)
- Black (29%)





- Cyan (44%)
- Magenta (100%)
- Yellow (29%)
- Black (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 90.819, 320.330 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, 90.819, 320.330 by changing the saturation by 10% instead.


 36, 90.819,
320.330


 36, 90.819,
320.330

 100, 90.819,
320.330


 26, 90.819,
320.330

 56, 90.819,
320.330


 16, 90.819,
320.330


 66, 90.819,
320.330

 6, 90.819, 320.330

 76, 90.819,
320.330

 0, 90.819, 320.330

 86, 90.819,
320.330

 96, 90.819,
320.330

■ 36, 90.819,
320.330

■ 36, 90.819,
320.330

■ 36, 90.747,
320.321

■ 37, 87.809,
320.746

■ 40, 82.887,
320.977

■ 42, 75.738,
320.992

■ 46, 66.798,
320.835

■ 50, 56.592,
320.553

■ 54, 45.604,
320.188

■ 59, 34.218,
319.773

■ 63, 22.710,

319.334

■ 68, 11.268,
318.885

Harmonies

Complementary

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



36, 90.819, 320.330



64, 90.282, 134.494

Rectangle

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



36, 90.819, 320.330



36, 90.819, 10.330



36, 90.819, 140.330



36, 90.819, 190.330

Sweetspot

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



36, 90.747, 320.321



75, 42.483, 319.795



26, 88.220, 301.819



37, 28.972, 319.971



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



36, 90.747, 320.321



47, 110.810, 320.196



40, 71.811, 343.634



35, 6.340, 318.854



30, 80.530, 320.413



2, 14.870, 315.837

Inverse Universe

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



38, 70.896, 28.467



49, 87.285, 29.499



64, 82.443, 140.691



35, 4.060, 3.183



32, 62.546, 27.694



2, 9.439, 6.091

Previews

White Background



This preview shows how the CIELCh color 36, 90.819, 320.330 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, 90.819, 320.330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

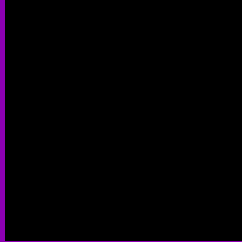
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 90.819, 320.330

Background



This preview shows how black text looks on a background with the CIELCh color 36, 90.819, 320.330.



This preview shows how white text looks on a background with the CIELCh color 36, 90.819, 320.330.

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, 90.819, 320.330

Protanopia

37, 58.141, 286.580

Deuteranopia

37, 42.319, 275.035



Tritanopia
37, 26.095, 15.979

Trichromacy



Original Color
36, 90.819, 320.330



Protanomaly
31, 78.196, 301.636



Deuteranomaly
30, 67.215, 299.750



Tritanomaly
34, 50.024, 335.177

Monochromacy



Original Color
36, 90.819, 320.330



Achromatopsia
27, 0.004, 296.813



Achromatomaly
26, 44.526, 321.163

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 90.819, 320.330 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(142, 0, 180)` looks like.

```
.text, #text, p{  
    color:rgb(142, 0, 180)  
}
```

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(142, 0, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 0, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 90.819, 320.330 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(142, 0, 180) }
```

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

```
.border{ border-color:rgb(142, 0, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 0, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 0, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 0, 180);  
box-shadow:4px 4px 4px 4px rgb(142, 0,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 90.819, 320.330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 0, 180) }
```

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

```
.background{ background-color: rgb(142, 0,  
180) }
```

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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