

Converting Colors

CIELCh(38, 101.611, 316.715)

Have a look what the booklet for
CIELCh(38, 101.611, 316.715)
contains.

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Color

CIELCh(38, 101.567, 316.705)

Conversions

Conversions Part 1

Format	Color
Hex	8C04CD
RGB	140, 4, 205
RGB Percent	55%, 2%, 80%
CMY	0.4501, 0.9861, 0.1953
CMYK	0.32, 0.98, 0.00, 0.20
HSL	281°, 97%, 41%
HSV	281°, 98%, 80%
XYZ	21.9328, 10.0881, 58.6761
YIQ	67.5780, 16.5350, 91.3430

Conversions

Conversions Part 2

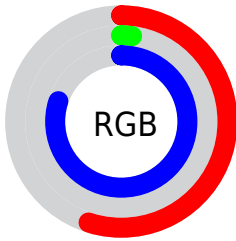
Format	Color
RYB	140, 4, 205
Decimal	9176269
CIELab	38.00, 73.92, -69.65
CIELCh	38, 101.567, 316.705
Yxy	10.0881, 0.2418, 0.1112
Android (android.graphics.Color)	4287366349 (0xFF8C04CD)
YUV	67.5780, 67.7490, 63.5141
Hunter-Lab	31.7617, 67.6791, -87.2983

Details

The CIELCh color **38, 101.567, 316.705** 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 **73, 96.974, 132.704**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 97.572, 317.521**, and **23, 82.669, 313.125** is the 20% darker color. If you saturate the color by 10%, you get **38, 102.132, 316.600**, and if you desaturate by 10%, it is **40, 97.744, 317.278**.

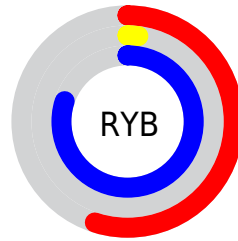
Distribution



Red (55%)

Green (2%)

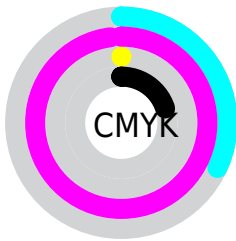
Blue (80%)



Red (55%)

Yellow (2%)

Blue (80%)

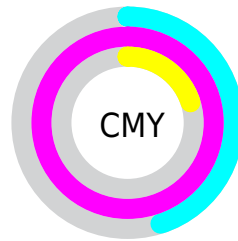


Cyan (32%)

Magenta (98%)

Yellow (0%)

Black (20%)



Cyan (45%)


Magenta (99%)


Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 101.567, 316.705 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 38, 101.567, 316.705 by changing the saturation by 10% instead.


 38, 101.567,
316.705


 38, 101.567,
316.705


 100, 101.567,
316.705


 28, 101.567,
316.705


 58, 101.567,
316.705


 18, 101.567,
316.705


 68, 101.567,
316.705

 8, 101.567,
316.705

 78, 101.567,
316.705

 0, 101.567,
316.705

 88, 101.567,
316.705

 98, 101.567,
316.705

■ 38, 101.567,
316.705

■ 38, 101.567,
316.705

■ 38, 102.132,
316.600

■ 40, 97.744,
317.278

■ 43, 91.286,
317.552

■ 47, 82.413,
317.560

■ 51, 71.767,
317.373

■ 56, 59.996,
317.056

■ 61, 47.624,
316.662

■ 66, 35.028,
316.231

■ 72, 22.456,

315.789

■ 78, 10.063,
315.349

Harmonies

Complementary

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



38, 101.567, 316.705



73, 96.974, 132.704

Rectangle

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



38, 101.567, 316.705



38, 101.567, 6.705



38, 101.567, 136.705



38, 101.567, 186.705

Sweetspot

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



38, 101.567, 316.705



80, 42.884, 316.279



36, 82.111, 296.297



40, 29.492, 316.467



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



38, 101.567, 316.705



47, 120.399, 316.475



47, 85.924, 336.113



40, 6.874, 315.399



30, 87.061, 316.750



3, 25.725, 313.922

Inverse Universe

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



44, 73.225, 18.614



54, 87.326, 20.309



72, 96.682, 138.005



40, 4.768, 355.261



35, 62.743, 18.569



4, 18.650, 3.770

Previews

White Background



This preview shows how the CIELCh color 38, 101.567, 316.705 looks on a white background.

Color Contrast Check

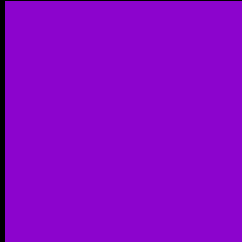
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 38, 101.567, 316.705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

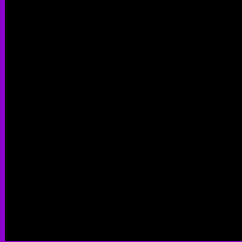
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 101.567, 316.705

Background



This preview shows how black text looks on a background with the CIELCh color 38, 101.567, 316.705.



This preview shows how white text looks on a background with the CIELCh color 38, 101.567, 316.705.

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

38, 101.439, 316.686

Protanopia

39, 60.124, 286.620

Deuteranopia

39, 42.790, 273.954



Tritanopia
38, 17.585, 10.282

Trichromacy



Original Color

38, 101.439, 316.686



Protanomaly

33, 83.406, 301.262



Deuteranomaly

32, 72.028, 299.328



Tritanomaly

35, 52.020, 326.545

Monochromacy



Original Color

38, 101.439, 316.686



Achromatopsia

28, 0.004, 296.813



Achromatomaly

28, 48.495, 317.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 101.567, 316.705 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(140, 4, 205)` looks like.

```
.text, #text, p{  
  color:rgb(140, 4, 205)  
}
```

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(140, 4, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 4, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 101.567, 316.705 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(140, 4, 205) }
```

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

```
.border{ border-color:rgb(140, 4, 205) }
```

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

Here you see how a box with a 4 pixel rgb(140, 4, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 4, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 4, 205);  
box-shadow:4px 4px 4px 4px rgb(140, 4,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 101.567, 316.705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 4, 205) }
```

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

```
.background{ background-color: rgb(140, 4,  
205) }
```

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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