

Converting Colors

CIELCh(30, 105.902, 331.503)

Have a look what the booklet for
CIELCh(30, 105.902, 331.503)
contains.

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Color

CIELCh(38, 78.461, 331.084)

Conversions

Conversions Part 1

Format	Color
Hex	A30098
RGB	163, 0, 152
RGB Percent	64%, 0%, 60%
CMY	0.3601, 0.9980, 0.4033
CMYK	0.00, 1.00, 0.07, 0.36
HSL	304°, 99%, 32%
HSV	304°, 100%, 64%
XYZ	20.8268, 10.0881, 30.6264
YIQ	66.0650, 48.3560, 81.8280

Conversions

Conversions Part 2

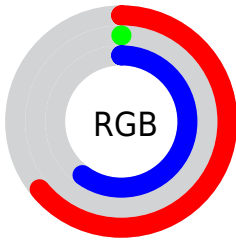
Format	Color
R_{YB}	163, 0, 152
Decimal	10682520
CIE _{Lab}	38.00, 68.68, -37.94
CIE _{LCh}	38, 78.461, 331.084
Yxy	10.0881, 0.3384, 0.1639
Android (android.graphics.Color)	4288872600 (0xFFA30098)
YUV	66.0650, 42.3660, 85.0120
Hunter-Lab	31.7617, 61.4630, -34.9376

Details

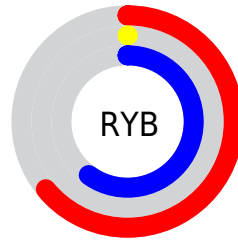
The CIELCh color **38, 78.461, 331.084** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **58, 84.379, 136.664**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 78.725, 331.153**, and **24, 58.090, 330.493** is the 20% darker color. If you saturate the color by 10%, you get **38, 78.511, 331.094**, and if you desaturate by 10%, it is **39, 76.612, 330.753**.

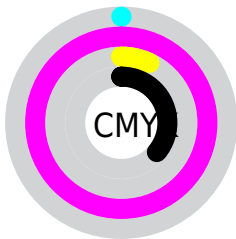
Distribution



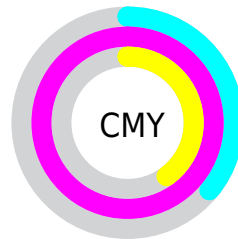
- Red (64%)
- Green (0%)
- Blue (60%)



- Red (64%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (7%)
- Black (36%)



- Cyan (36%)
- Magenta (100%)
- Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 78.461, 331.084 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, 78.461, 331.084 by changing the saturation by 10% instead.


 38, 78.461,
331.084

 38, 78.461,
331.084

 100, 78.461,
331.084

 28, 78.461,
331.084

 58, 78.461,
331.084


 18, 78.461,
331.084


 68, 78.461,
331.084

 8, 78.461, 331.084

 78, 78.461,
331.084

 0, 78.461, 331.084

 88, 78.461,
331.084

 98, 78.461,
331.084

■ 38, 78.461,
331.084

■ 38, 78.461,
331.084

■ 38, 78.511,
331.094

■ 39, 76.612,
330.753

■ 40, 73.099,
330.392

■ 42, 67.568,
329.987

■ 44, 60.253,
329.535

■ 47, 51.534,
329.042

■ 51, 41.831,
328.515

■ 55, 31.524,
327.965

■ 59, 20.923,

327.402

■ 63, 10.258,
326.830

Harmonies

Complementary

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



38, 78.461, 331.084



58, 84.379, 136.664

Rectangle

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



38, 78.461, 331.084



38, 78.461, 21.084



38, 78.461, 151.084



38, 78.461, 201.084

Sweetspot

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



38, 78.459, 331.084



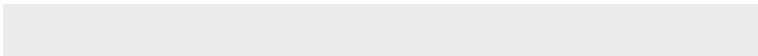
69, 39.345, 328.013



19, 95.298, 306.485



35, 26.996, 328.235



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



38, 78.459, 331.084



49, 95.174, 331.151



35, 60.405, 7.790



32, 5.984, 326.805



34, 72.162, 331.064



2, 9.131, 326.926

Inverse Universe

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



38, 78.459, 331.084



49, 95.174, 331.151



59, 58.967, 153.053



32, 5.984, 326.805



34, 72.162, 331.064



2, 9.131, 326.926

Previews

White Background



This preview shows how the CIELCh color 38, 78.461, 331.084 looks on a white background.

Color Contrast Check

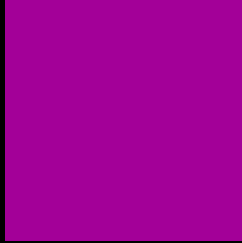
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 38, 78.461, 331.084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

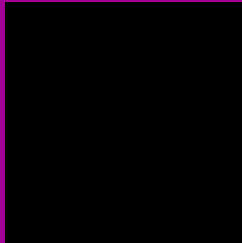
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 78.461, 331.084

Background



This preview shows how black text looks on a background with the CIELCh color 38, 78.461, 331.084.

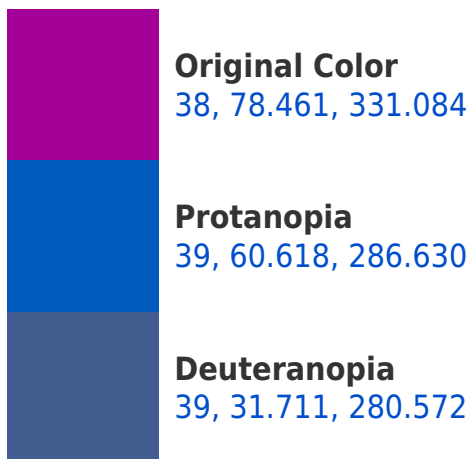


This preview shows how white text looks on a background with the CIELCh color 38, 78.461, 331.084.

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
39, 43.541, 24.437

Trichromacy



Original Color
38, 78.461, 331.084



Protanomaly
32, 73.258, 301.349



Deuteranomaly
34, 55.075, 311.490



Tritanomaly
37, 52.996, 354.634

Monochromacy



Original Color
38, 78.461, 331.084



Achromatopsia
28, 0.004, 296.813



Achromatomaly
28, 40.278, 329.346

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 78.461, 331.084 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(163, 0, 152)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 152)  
}
```

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(163, 0, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 78.461, 331.084 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(163, 0, 152) }
```

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

```
.border{ border-color:rgb(163, 0, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 0, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 152);  
box-shadow:4px 4px 4px 4px rgb(163, 0,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 78.461, 331.084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 0, 152) }
```

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

```
.background{ background-color: rgb(163, 0,  
152) }
```

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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