

Converting Colors

CIELCh(38, 85.175, 325.654)

Have a look what the booklet for
CIELCh(38, 85.175, 325.654)
contains.

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Color

CIELCh(38, 85.232, 325.705)

Conversions

Conversions Part 1

Format	Color
Hex	9E00A9
RGB	158, 0, 169
RGB Percent	62%, 0%, 66%
CMY	0.3813, 1.0000, 0.3381
CMYK	0.07, 1.00, 0.00, 0.34
HSL	296°, 100%, 33%
HSV	296°, 100%, 66%
XYZ	21.1885, 10.0881, 38.2567
YIQ	66.5080, 39.9190, 86.0550

Conversions

Conversions Part 2

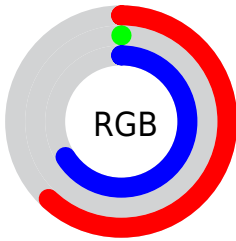
Format	Color
R_{YB}	158, 0, 169
Decimal	10354857
CIE _{Lab}	38.00, 70.41, -48.02
CIE _{LCh}	38, 85.232, 325.705
Yxy	10.0881, 0.3047, 0.1451
Android (android.graphics.Color)	4288544937 (0xFF9E00A9)
YUV	66.5080, 50.5286, 80.2385
Hunter-Lab	31.7617, 63.4956, -49.1811

Details

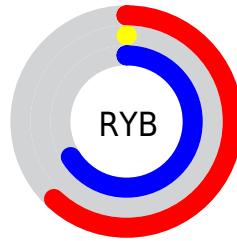
The CIELCh color **38, 85.232, 325.705** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **60, 87.563, 135.714**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 85.391, 325.618**, and **24, 65.194, 323.451** is the 20% darker color. If you saturate the color by 10%, you get **38, 85.150, 325.700**, and if you desaturate by 10%, it is **39, 82.784, 325.793**.

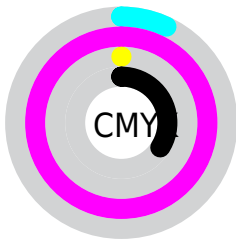
Distribution



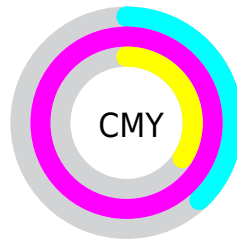
- Red (62%)
- Green (0%)
- Blue (66%)



- Red (62%)
- Yellow (0%)
- Blue (66%)



- Cyan (7%)
- Magenta (100%)
- Yellow (0%)
- Black (34%)





- Cyan (38%)
- Magenta (100%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 85.232, 325.705 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, 85.232, 325.705 by changing the saturation by 10% instead.


 38, 85.232,
325.705


 38, 85.232,
325.705

 100, 85.232,
325.705


 28, 85.232,
325.705

 58, 85.232,
325.705


 18, 85.232,
325.705


 68, 85.232,
325.705

 8, 85.232, 325.705

 78, 85.232,
325.705

 0, 85.232, 325.705

 88, 85.232,
325.705

 98, 85.232,
325.705

■ 38, 85.232,
325.705

■ 38, 85.232,
325.705

■ 38, 85.150,
325.700

■ 39, 82.784,
325.793

■ 40, 78.686,
325.781

■ 42, 72.491,
325.640

■ 45, 64.471,
325.385

■ 48, 55.043,
325.037

■ 52, 44.647,
324.621

■ 56, 33.676,
324.158

■ 60, 22.440,

323.667

■ 65, 11.166,
323.160

Harmonies

Complementary

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



38, 85.232, 325.705



60, 87.563, 135.714

Rectangle

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



38, 85.232, 325.705



38, 85.232, 15.705



38, 85.232, 145.705



38, 85.232, 195.705

Sweetspot

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



38, 85.150, 325.700



71, 41.667, 324.184



20, 95.107, 305.393



35, 28.340, 324.374



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



38, 85.150, 325.700



50, 103.516, 325.655



36, 63.368, 355.571



33, 6.301, 323.123



33, 77.273, 325.726



2, 11.343, 321.984

Inverse Universe

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



35, 73.982, 37.185



46, 90.687, 37.852



61, 69.547, 146.200



33, 3.732, 14.627



30, 66.740, 36.698



1, 6.601, 14.743

Previews

White Background



This preview shows how the CIELCh color 38, 85.232, 325.705 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 CIELCh color 38, 85.232, 325.705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

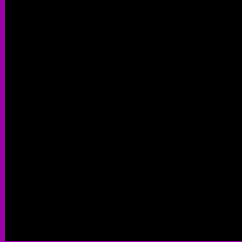
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 85.232, 325.705

Background



This preview shows how black text looks on a background with the CIELCh color 38, 85.232, 325.705.



This preview shows how white text looks on a background with the CIELCh color 38, 85.232, 325.705.

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, 85.232, 325.705

Protanopia

39, 60.618, 286.630

Deuteranopia

39, 41.332, 278.384



Tritanopia
39, 36.761, 21.361

Trichromacy



Original Color
38, 85.232, 325.705



Protanomaly
32, 76.656, 301.349



Deuteranomaly
33, 64.625, 305.065



Tritanomaly
36, 52.239, 346.007

Monochromacy



Original Color
38, 85.232, 325.705



Achromatopsia
28, 0.004, 296.813



Achromatomaly
28, 42.880, 325.260

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 85.232, 325.705 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(158, 0, 169)` looks like.

```
.text, #text, p{  
    color:rgb(158, 0, 169)  
}
```

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(158, 0, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 0, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 85.232, 325.705 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(158, 0, 169) }
```

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

```
.border{ border-color:rgb(158, 0, 169) }
```

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

Here you see how a box with a 4 pixel rgb(158, 0, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 0, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 0, 169);  
box-shadow:4px 4px 4px 4px rgb(158, 0,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 85.232, 325.705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 0, 169) }
```

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

```
.background{ background-color: rgb(158, 0,  
169) }
```

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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