

Converting Colors

CIELCh(31, 113.429, 328.169)

Have a look what the booklet for
CIELCh(31, 113.429, 328.169)
contains.

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Color

CIELCh(39, 85.465, 326.624)

Conversions

Conversions Part 1

Format	Color
Hex	A300AA
RGB	163, 0, 170
RGB Percent	64%, 0%, 67%
CMY	0.3614, 1.0000, 0.3339
CMYK	0.04, 1.00, 0.00, 0.33
HSL	298°, 100%, 33%
HSV	298°, 100%, 67%
XYZ	22.3119, 10.6589, 38.8426
YIQ	68.1170, 42.5780, 87.4260

Conversions

Conversions Part 2

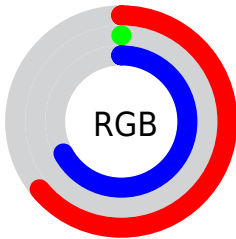
Format	Color
RYB	163, 0, 170
Decimal	10682538
CIELab	39.00, 71.37, -47.02
CIELCh	39, 85.465, 326.624
Yxy	10.6589, 0.3107, 0.1484
Android (android.graphics.Color)	4288872618 (0xFFA300AA)
YUV	68.1170, 50.2283, 83.2124
Hunter-Lab	32.6480, 64.8540, -47.6859

Details

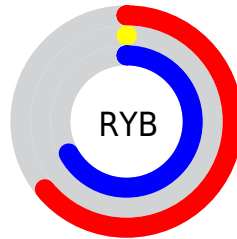
The CIELCh color $39, 85.465, 326.624$ is a dark color, and the websafe version is hex 990099 . A complement of this color would be $61, 88.115, 135.827$, and the grayscale version is $29, 0.004, 296.813$.

A 20% lighter version of the original color is $59, 85.252, 326.687$, and $25, 65.374, 324.722$ is the 20% darker color. If you saturate the color by 10%, you get $39, 85.414, 326.621$, and if you desaturate by 10%, it is $40, 83.123, 326.651$.

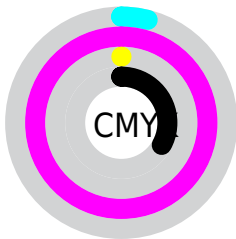
Distribution



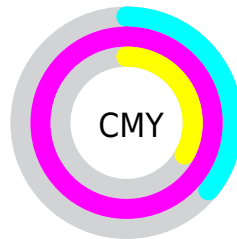
- Red (64%)
- Green (0%)
- Blue (67%)



- Red (64%)
- Yellow (0%)
- Blue (67%)



- Cyan (4%)
- Magenta (100%)
- Yellow (0%)
- Black (33%)





- Cyan (36%)
- Magenta (100%)
- Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 85.465, 326.624 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 39, 85.465, 326.624 by changing the saturation by 10% instead.


 39, 85.465,
326.624


 39, 85.465,
326.624

 100, 85.465,
326.624


 29, 85.465,
326.624

 59, 85.465,
326.624


 19, 85.465,
326.624

 69, 85.465,
326.624

 9, 85.465, 326.624

 79, 85.465,
326.624

 0, 85.465, 326.624

 89, 85.465,
326.624

 99, 85.465,
326.624

■ 39, 85.465,
326.624

■ 39, 85.465,
326.624

■ 39, 85.414,
326.621

■ 40, 83.123,
326.651

■ 41, 79.103,
326.589

■ 43, 72.978,
326.411

■ 46, 64.998,
326.131

■ 49, 55.565,
325.764

■ 53, 45.121,
325.332

■ 56, 34.063,
324.856

■ 61, 22.713,

324.351

■ 65, 11.307,
323.829

Harmonies

Complementary

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



39, 85.465, 326.624



61, 88.115, 135.827

Rectangle

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



39, 85.465, 326.624



39, 85.465, 16.624



39, 85.465, 146.624



39, 85.465, 196.624

Sweetspot

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



39, 85.414, 326.621



72, 42.320, 324.883



20, 96.349, 305.623



36, 29.048, 325.081



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



39, 85.414, 326.621



51, 104.245, 326.592



37, 63.305, 357.084



33, 6.348, 323.791



34, 77.148, 326.639



2, 11.459, 322.887

Inverse Universe

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



35, 75.280, 38.187



46, 92.464, 38.678



61, 68.804, 146.922



33, 3.725, 16.564



30, 67.563, 37.697



1, 6.585, 16.450

Previews

White Background



This preview shows how the CIELCh color 39, 85.465, 326.624 looks on a white background.

Color Contrast Check

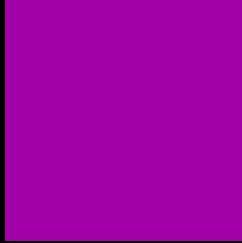
Large Text (above 18pt) WCAG AA ✓ Pass

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 39, 85.465, 326.624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

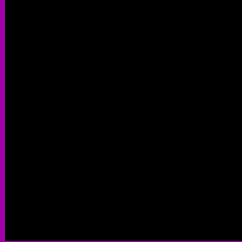
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 85.465, 326.624

Background



This preview shows how black text looks on a background with the CIELCh color 39, 85.465, 326.624.



This preview shows how white text looks on a background with the CIELCh color 39, 85.465, 326.624.

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

39, 85.465, 326.624

Protanopia

40, 62.161, 286.885

Deuteranopia

40, 40.448, 278.994



Tritanopia
40, 39.048, 22.799

Trichromacy



Original Color
39, 85.465, 326.624

Protanomaly
33, 78.179, 301.522

Deuteranomaly
34, 64.444, 306.445

Tritanomaly
38, 53.084, 348.387

Monochromacy



Original Color
39, 85.465, 326.624

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 43.548, 325.788

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 85.465, 326.624 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 85.465, 326.624 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, 170) }
```

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

```
.border{ border-color:rgb(163, 0, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 170);  
box-shadow:4px 4px 4px 4px rgb(163, 0,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 85.465, 326.624 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, 170) }
```

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

```
.background{ background-color: rgb(163, 0,  
170) }
```

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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