

Converting Colors

CIELCh(19, 84.506, 309.181)

Have a look what the booklet for
CIELCh(19, 84.506, 309.181)
contains.

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Color

CIELCh(19, 84.390, 309.149)

Conversions

Conversions Part 1

Format	Color
Hex	320091
RGB	50, 0, 145
RGB Percent	20%, 0%, 57%
CMY	0.8025, 0.9988, 0.4303
CMYK	0.65, 1.00, 0.00, 0.43
HSL	261°, 100%, 29%
HSV	261°, 100%, 57%
XYZ	6.4687, 2.7468, 27.0899
YIQ	31.4800, -16.7450, 55.6950

Conversions

Conversions Part 2

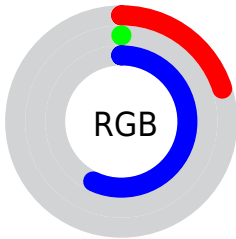
Format	Color
R_{YB}	50, 0, 145
Decimal	3276945
CIE _{Lab}	19.00, 53.28, -65.45
CIE _{LCh}	19, 84.390, 309.149
Yxy	2.7468, 0.1782, 0.0757
Android (android.graphics.Color)	4281467025 (0xFF320091)
YUV	31.4800, 55.9654, 16.2420
Hunter-Lab	16.5735, 40.6655, -85.3096

Details

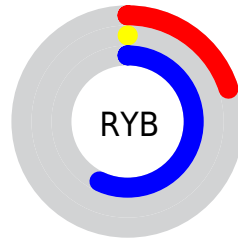
The CIELCh color **19, 84.390, 309.149** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **55, 67.970, 121.686**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 84.346, 309.178**, and **7, 63.883, 306.215** is the 20% darker color. If you saturate the color by 10%, you get **19, 84.503, 309.154**, and if you desaturate by 10%, it is **21, 79.236, 309.133**.

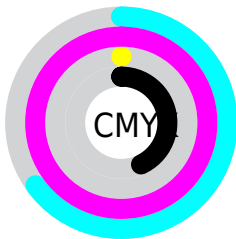
Distribution



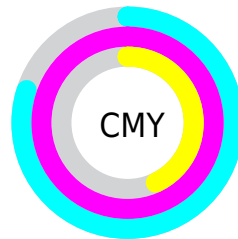
- Red (20%)
- Green (0%)
- Blue (57%)



- Red (20%)
- Yellow (0%)
- Blue (57%)



- Cyan (65%)
- Magenta (100%)
- Yellow (0%)
- Black (43%)



- Cyan (80%)
- Magenta (100%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 84.390, 309.149 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 19, 84.390, 309.149 by changing the saturation by 10% instead.

■ 19, 84.390,
309.149

■ 19, 84.390,
309.149

■ 100, 84.390,
309.149

■ 9, 84.390, 309.149

■ 39, 84.390,
309.149

■ 0, 84.390, 309.149

■ 49, 84.390,
309.149

■ 59, 84.390,
309.149

■ 69, 84.390,
309.149

■ 79, 84.390,
309.149

■ 89, 84.390,


309.149

 99, 84.390,
309.149


 19, 84.390,
309.149


 19, 84.390,
309.149


 19, 84.503,
309.154

 21, 79.236,
309.133

 24, 72.479,
308.878

 28, 64.119,
308.316

 32, 54.904,
307.588

 37, 45.361,
306.802

■ 41, 35.809,
306.023

■ 46, 26.418,
305.289

■ 51, 17.272,
304.616

■ 56, 8.407, 304.010

Harmonies

Complementary

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



19, 84.390, 309.149



55, 67.970, 121.686

Rectangle

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



19, 84.390, 309.149



19, 84.390, 359.149



19, 84.390, 129.149



19, 84.390, 179.149

Sweetspot

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



19, 84.391, 309.150



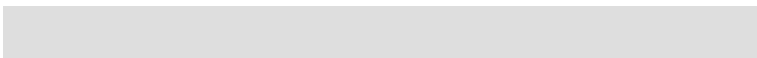
59, 32.969, 305.347



39, 33.645, 260.900



28, 22.549, 305.618



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



19, 84.391, 309.150



26, 102.733, 308.949



30, 76.996, 322.010



28, 4.775, 303.975



17, 80.112, 309.221



0, 3.180, 303.490

Inverse Universe

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



32, 59.266, 347.802



42, 71.616, 348.399



52, 77.472, 134.857



28, 4.400, 336.774



29, 56.327, 347.670



1, 2.949, 336.174

Previews

White Background



This preview shows how the CIE LCh color 19, 84.390, 309.149 looks on a white background.

Color Contrast Check

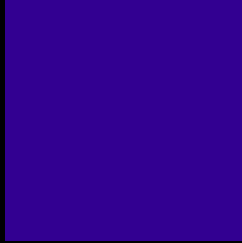
Large Text (above 18pt) WCAG AA ✓ Pass

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 19, 84.390, 309.149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

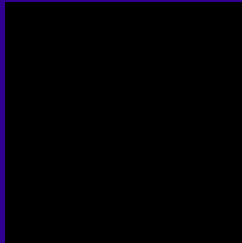
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 84.390, 309.149

Background



This preview shows how black text looks on a background with the CIELCh color 19, 84.390, 309.149.



This preview shows how white text looks on a background with the CIELCh color 19, 84.390, 309.149.

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

19, 84.390, 309.149

Protanopia

20, 35.668, 283.136

Deuteranopia

20, 24.925, 267.900



Tritanopia
20, 16.351, 206.297

Trichromacy



Original Color
19, 84.390, 309.149

Protanomaly
17, 57.466, 299.989

Deuteranomaly
17, 50.585, 298.027

Tritanomaly
16, 38.278, 293.437

Monochromacy



Original Color
19, 84.390, 309.149

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 37.843, 308.447

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 84.390, 309.149 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(50, 0, 145)` looks like.

```
.text, #text, p{  
    color:rgb(50, 0, 145)  
}
```

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(50, 0, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 0, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 84.390, 309.149 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(50, 0, 145) }
```

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

```
.border{ border-color:rgb(50, 0, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 0, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 0, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 0, 145);  
box-shadow:4px 4px 4px 4px rgb(50, 0, 145)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 84.390, 309.149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 0, 145) }
```

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

```
.background{ background-color: rgb(50, 0,  
145) }
```

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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