

Converting Colors

CIELCh(24, 94.161, 306.957)

Have a look what the booklet for
CIELCh(24, 94.161, 306.957)
contains.

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Color

CIELCh(24, 94.325, 306.997)

Conversions

Conversions Part 1

Format	Color
Hex	3010AF
RGB	48, 16, 175
RGB Percent	19%, 6%, 69%
CMY	0.8114, 0.9370, 0.3135
CMYK	0.73, 0.91, 0.00, 0.31
HSL	252°, 83%, 37%
HSV	252°, 91%, 69%
XYZ	9.1524, 4.1002, 40.8947
YIQ	43.6940, -31.9670, 56.2330

Conversions

Conversions Part 2

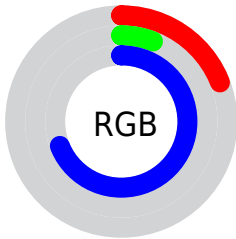
Format	Color
RYB	48, 16, 175
Decimal	3149999
CIELab	24.00, 56.76, -75.33
CIELCh	24, 94.325, 306.997
Yxy	4.1002, 0.1690, 0.0757
Android (android.graphics.Color)	4281340079 (0xFF3010AF)
YUV	43.6940, 64.7339, 3.7764
Hunter-Lab	20.2490, 45.2453, -105.5675

Details

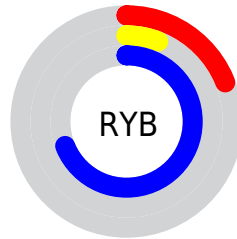
The CIELCh color **24, 94.325, 306.997** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **67, 72.707, 114.192**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 94.169, 306.915**, and **12, 77.091, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **22, 99.347, 307.297**, and if you desaturate by 10%, it is **27, 86.428, 306.324**.

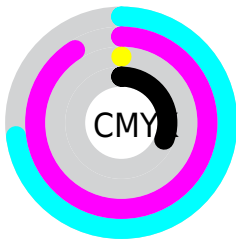
Distribution



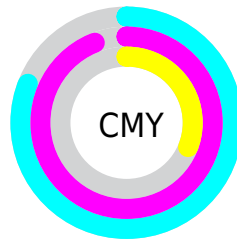
- Red (19%)
- Green (6%)
- Blue (69%)



- Red (19%)
- Yellow (6%)
- Blue (69%)



- Cyan (73%)
- Magenta (91%)
- Yellow (0%)
- Black (31%)





- Cyan (81%)
- Magenta (94%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 94.325, 306.997 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 24, 94.325, 306.997 by changing the saturation by 10% instead.

 24, 94.325,
306.997

 24, 94.325,
306.997

 100, 94.325,
306.997

 14, 94.325,
306.997


 44, 94.325,
306.997

 4, 94.325, 306.997

 54, 94.325,
306.997

 0, 94.325, 306.997

 64, 94.325,
306.997

 74, 94.325,
306.997

 84, 94.325,
306.997

 94, 94.325,

306.997

■ 24, 94.325,
306.997

■ 24, 94.325,
306.997

■ 22, 99.347,
307.297

■ 27, 86.428,
306.324

■ 32, 76.337,
305.270

■ 37, 65.206,
304.047

■ 42, 53.792,
302.808

■ 48, 42.499,
301.639

■ 54, 31.508,
300.578

■ 59, 20.890,
299.638

■ 65, 10.659,
298.817

■ 71, 0.807, 298.092

Harmonies

Complementary

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



24, 94.325, 306.997



67, 72.707, 114.192

Rectangle

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



24, 94.325, 306.997



24, 94.325, 356.997



24, 94.325, 126.997



24, 94.325, 176.997

Sweetspot

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



24, 94.326, 306.998



71, 33.869, 300.249



55, 32.351, 232.109



35, 23.150, 300.575



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



24, 94.326, 306.998



30, 120.824, 307.183



34, 87.243, 317.885



34, 5.515, 298.701



18, 88.753, 307.382



1, 11.436, 296.614

Inverse Universe

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



40, 73.589, 337.242



51, 90.338, 338.411



63, 83.743, 132.575



34, 5.730, 331.121



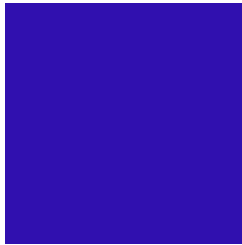
34, 66.844, 338.053



2, 11.419, 333.266

Previews

White Background



This preview shows how the CIE LCh color 24, 94.325, 306.997 looks on a white background.

Color Contrast Check

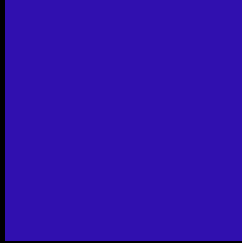
Large Text (above 18pt) WCAG AA ✓ Pass

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 24, 94.325, 306.997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

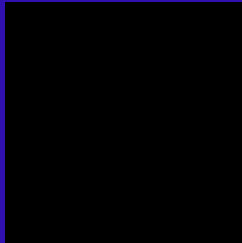
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 94.325, 306.997

Background



This preview shows how black text looks on a background with the CIELCh color 24, 94.325, 306.997.



This preview shows how white text looks on a background with the CIELCh color 24, 94.325, 306.997.

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

24, 94.325, 306.997

Protanopia

24, 41.297, 284.583

Deuteranopia

24, 28.344, 269.109



Tritanopia
24, 18.368, 202.811

Trichromacy



Original Color
24, 94.325, 306.997

Protanomaly
22, 64.241, 298.759

Deuteranomaly
22, 55.014, 295.939

Tritanomaly
21, 40.456, 289.511

Monochromacy



Original Color
24, 94.325, 306.997

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 39.808, 303.536

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 94.325, 306.997 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(48, 16, 175)` looks like.

```
.text, #text, p{  
    color:rgb(48, 16, 175)  
}
```

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(48, 16, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 16, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 94.325, 306.997 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(48, 16, 175) }
```

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

```
.border{ border-color:rgb(48, 16, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 16, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 16, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 16, 175);  
box-shadow:4px 4px 4px 4px rgb(48, 16,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 94.325, 306.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 16, 175) }
```

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

```
.background{ background-color: rgb(48, 16,  
175) }
```

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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