

Converting Colors

CIELCh(24, 98.834, 308.688)

Have a look what the booklet for
CIELCh(24, 98.834, 308.688)
contains.

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Color

CIELCh(24, 98.674, 308.703)

Conversions

Conversions Part 1

Format	Color
Hex	3A00B2
RGB	58, 0, 178
RGB Percent	23%, 0%, 70%
CMY	0.7732, 1.0000, 0.3024
CMYK	0.67, 1.00, 0.00, 0.30
HSL	260°, 100%, 35%
HSV	260°, 100%, 70%
XYZ	9.7567, 4.1002, 42.3316
YIQ	37.6340, -22.5700, 67.6540

Conversions

Conversions Part 2

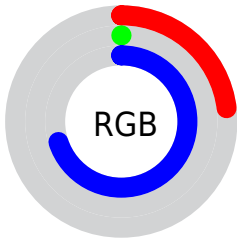
Format	Color
R_{YB}	58, 0, 178
Decimal	3801266
CIE _{Lab}	24.00, 61.70, -77.00
CIE _{LCh}	24, 98.674, 308.703
Yxy	4.1002, 0.1736, 0.0730
Android (android.graphics.Color)	4281991346 (0xFF3A00B2)
YUV	37.6340, 69.2004, 17.8610
Hunter-Lab	20.2490, 50.5726, -109.7749

Details

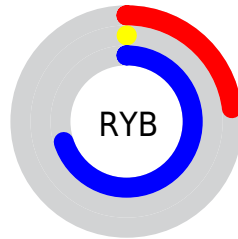
The CIELCh color **24, 98.674, 308.703** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **66, 78.595, 121.031**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 98.460, 308.648**, and **12, 78.458, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **24, 98.635, 308.694**, and if you desaturate by 10%, it is **27, 93.326, 308.780**.

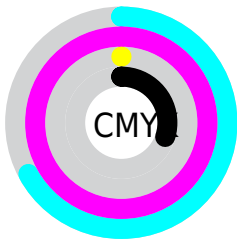
Distribution



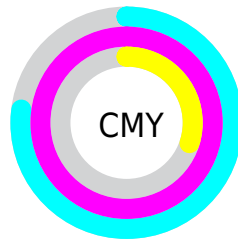
- Red (23%)
- Green (0%)
- Blue (70%)



- Red (23%)
- Yellow (0%)
- Blue (70%)



- Cyan (67%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)





- Cyan (77%)
- Magenta (100%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 98.674, 308.703 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, 98.674, 308.703 by changing the saturation by 10% instead.

 24, 98.674,
308.703

 24, 98.674,
308.703

 100, 98.674,
308.703

 14, 98.674,
308.703


 44, 98.674,
308.703

 4, 98.674, 308.703

 54, 98.674,
308.703

 0, 98.674, 308.703

 64, 98.674,
308.703

 74, 98.674,
308.703

 84, 98.674,
308.703

 94, 98.674,

308.703

■ 24, 98.674,
308.703

■ 24, 98.674,
308.703

■ 24, 98.635,
308.694

■ 27, 93.326,
308.780

■ 30, 85.645,
308.523

■ 34, 75.890,
307.921

■ 39, 65.027,
307.136

■ 44, 53.742,
306.286

■ 50, 42.444,
305.448

■ 56, 31.347,
304.661

■ 61, 20.554,
303.944

■ 67, 10.105,
303.302

Harmonies

Complementary

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



24, 98.674, 308.703



66, 78.595, 121.031

Rectangle

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



24, 98.674, 308.703



24, 98.674, 358.703



24, 98.674, 128.703



24, 98.674, 178.703

Sweetspot

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



24, 98.635, 308.694



71, 38.943, 304.700



48, 38.351, 259.007



35, 26.961, 305.022



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



24, 98.635, 308.694



33, 120.595, 308.531



36, 89.660, 321.312



35, 5.733, 303.261



20, 88.139, 308.808



1, 13.544, 299.949

Inverse Universe

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



39, 69.401, 346.713



51, 84.392, 347.148



63, 89.945, 134.818



35, 5.373, 335.929



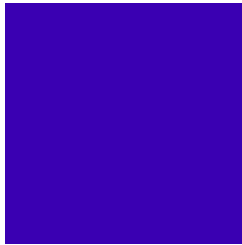
33, 62.247, 346.421



2, 11.957, 340.141

Previews

White Background



This preview shows how the CIE LCh color 24, 98.674, 308.703 looks on a white background.

Color Contrast Check

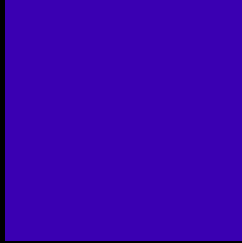
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.674, 308.703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

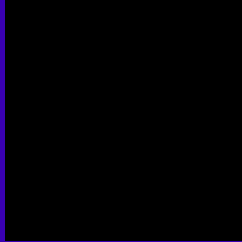
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 98.674, 308.703

Background



This preview shows how black text looks on a background with the CIELCh color 24, 98.674, 308.703.



This preview shows how white text looks on a background with the CIELCh color 24, 98.674, 308.703.

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, 98.674, 308.703

Protanopia

25, 41.773, 284.266

Deuteranopia

25, 28.912, 269.037



Tritanopia
25, 18.379, 207.094

Trichromacy



Original Color
24, 98.674, 308.703

Protanomaly
22, 68.532, 300.621

Deuteranomaly
21, 60.236, 298.821

Tritanomaly
20, 45.876, 294.296

Monochromacy



Original Color
24, 98.674, 308.703

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 44.904, 307.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 98.674, 308.703 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(58, 0, 178)` looks like.

```
.text, #text, p{  
    color:rgb(58, 0, 178)  
}
```

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(58, 0, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 0, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 98.674, 308.703 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(58, 0, 178) }
```

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

```
.border{ border-color:rgb(58, 0, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 0, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 0, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 0, 178);  
box-shadow:4px 4px 4px 4px rgb(58, 0, 178)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 98.674, 308.703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 0, 178) }
```

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

```
.background{ background-color: rgb(58, 0,  
178) }
```

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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