

Converting Colors

CIELCh(24, 94.200, 310.054)

Have a look what the booklet for
CIELCh(24, 94.200, 310.054)
contains.

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Color

CIELCh(24, 93.982, 309.932)

Conversions

Conversions Part 1

Format	Color
Hex	4400AA
RGB	68, 0, 170
RGB Percent	27%, 0%, 67%
CMY	0.7346, 1.0000, 0.3344
CMYK	0.60, 1.00, 0.00, 0.33
HSL	264°, 100%, 33%
HSV	264°, 100%, 67%
XYZ	9.5859, 4.1002, 38.1785
YIQ	39.7120, -14.0420, 67.2860

Conversions

Conversions Part 2

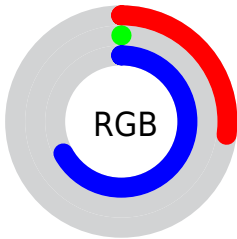
Format	Color
RYB	68, 0, 170
Decimal	4456618
CIELab	24.00, 60.32, -72.07
CIELCh	24, 93.982, 309.932
Yxy	4.1002, 0.1848, 0.0791
Android (android.graphics.Color)	4282646698 (0xFF4400AA)
YUV	39.7120, 64.2320, 24.8086
Hunter-Lab	20.2490, 49.0668, -97.6143

Details

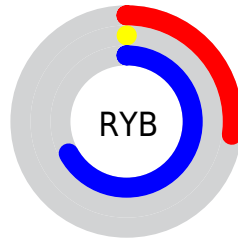
The CIELCh color **24, 93.982, 309.932** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **63, 77.707, 124.192**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 94.240, 309.872**, and **11, 74.799, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **24, 93.891, 309.911**, and if you desaturate by 10%, it is **26, 88.901, 310.160**.

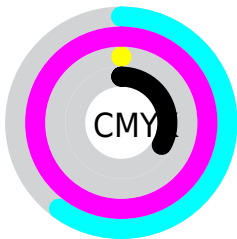
Distribution



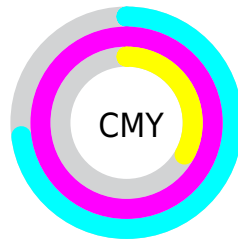
- Red (27%)
- Green (0%)
- Blue (67%)



- Red (27%)
- Yellow (0%)
- Blue (67%)



- Cyan (60%)
- Magenta (100%)
- Yellow (0%)
- Black (33%)





- Cyan (73%)
- Magenta (100%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 93.982, 309.932 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, 93.982, 309.932 by changing the saturation by 10% instead.

 24, 93.982,
309.932


 24, 93.982,
309.932

 100, 93.982,
309.932

 14, 93.982,
309.932


 44, 93.982,
309.932


 4, 93.982, 309.932

 54, 93.982,
309.932

 0, 93.982, 309.932

 64, 93.982,
309.932

 74, 93.982,
309.932

 84, 93.982,
309.932

 94, 93.982,

309.932

■ 24, 93.982,
309.932

■ 24, 93.982,
309.932

■ 24, 93.891,
309.911

■ 26, 88.901,
310.160

■ 30, 81.824,
310.105

■ 34, 72.781,
309.720

■ 38, 62.599,
309.141

■ 43, 51.907,
308.473

■ 48, 41.105,
307.788

■ 54, 30.424,
307.126

■ 59, 19.982,
306.510

■ 64, 9.837, 305.948

Harmonies

Complementary

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



24, 93.982, 309.932



63, 77.707, 124.192

Rectangle

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



24, 93.982, 309.932



24, 93.982, 359.932



24, 93.982, 129.932



24, 93.982, 179.932

Sweetspot

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



24, 93.891, 309.911



69, 37.860, 307.161



43, 41.808, 269.630



34, 26.185, 307.429



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



24, 93.891, 309.911



33, 114.908, 309.717



37, 85.898, 323.756



33, 5.522, 305.909



20, 84.744, 310.031



1, 9.851, 303.412

Inverse Universe

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



37, 64.527, 352.574



49, 78.545, 353.198



61, 87.552, 135.401



33, 4.857, 339.221



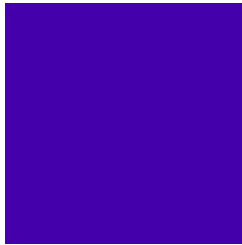
32, 58.437, 352.197



2, 8.315, 342.396

Previews

White Background



This preview shows how the CIE LCh color 24, 93.982, 309.932 looks on a white background.

Color Contrast Check

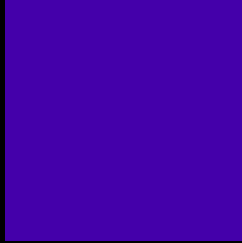
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.982, 309.932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

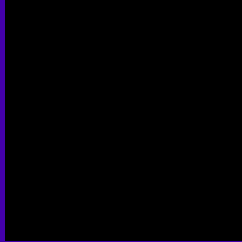
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 93.982, 309.932

Background



This preview shows how black text looks on a background with the CIELCh color 24, 93.982, 309.932.



This preview shows how white text looks on a background with the CIELCh color 24, 93.982, 309.932.

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, 93.982, 309.932

Protanopia

25, 42.376, 284.676

Deuteranopia

25, 29.452, 269.911



Tritanopia
25, 15.714, 209.267

Trichromacy



Original Color
24, 93.982, 309.932

Protanomaly
22, 66.719, 300.724

Deuteranomaly
21, 58.956, 299.044

Tritanomaly
20, 43.655, 297.480

Monochromacy



Original Color
24, 93.982, 309.932

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 42.909, 309.649

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 93.982, 309.932 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(68, 0, 170)` looks like.

```
.text, #text, p{  
    color:rgb(68, 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(68, 0, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 0, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 93.982, 309.932 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(68, 0, 170) }
```

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

```
.border{ border-color:rgb(68, 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(68, 0, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 0, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 0, 170);  
box-shadow:4px 4px 4px 4px rgb(68, 0, 170)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 93.982, 309.932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 0, 170) }
```

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

```
.background{ background-color: rgb(68, 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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