

Converting Colors

CIELCh(24, 101.698, 308.151)

Have a look what the booklet for
CIELCh(24, 101.698, 308.151)
contains.

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Color

CIELCh(24, 101.568, 308.066)

Conversions

Conversions Part 1

Format	Color
Hex	3300B7
RGB	51, 0, 183
RGB Percent	20%, 0%, 72%
CMY	0.8012, 1.0000, 0.2832
CMYK	0.72, 1.00, 0.00, 0.28
HSL	257°, 100%, 36%
HSV	257°, 100%, 72%
XYZ	9.8728, 4.1002, 44.9591
YIQ	36.1110, -28.3470, 67.7250

Conversions

Conversions Part 2

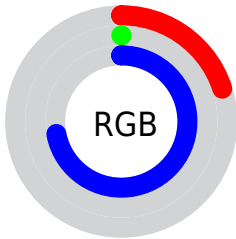
Format	Color
RYB	51, 0, 183
Decimal	3342519
CIELab	24.00, 62.62, -79.96
CIELCh	24, 101.568, 308.066
Yxy	4.1002, 0.1675, 0.0696
Android (android.graphics.Color)	4281532599 (0xFF3300B7)
YUV	36.1110, 72.4163, 13.0577
Hunter-Lab	20.2490, 51.5955, -117.4682

Details

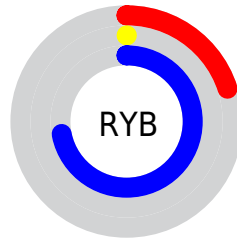
The CIELCh color **24, 101.568, 308.066** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **69, 79.062, 118.756**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 101.072, 308.085**, and **13, 80.272, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **24, 101.504, 308.051**, and if you desaturate by 10%, it is **27, 96.039, 308.008**.

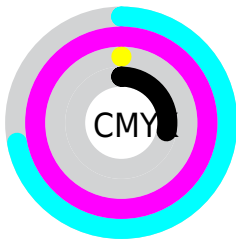
Distribution



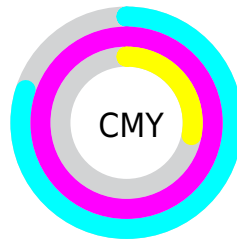
- Red (20%)
- Green (0%)
- Blue (72%)



- Red (20%)
- Yellow (0%)
- Blue (72%)



- Cyan (72%)
- Magenta (100%)
- Yellow (0%)
- Black (28%)





- Cyan (80%)
- Magenta (100%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 101.568, 308.066 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, 101.568, 308.066 by changing the saturation by 10% instead.


 24, 101.568,
308.066


 24, 101.568,
308.066


 100, 101.568,
308.066


 14, 101.568,
308.066


 44, 101.568,
308.066


 4, 101.568,
308.066


 54, 101.568,
308.066

 0, 101.568,
308.066

 64, 101.568,
308.066

 74, 101.568,
308.066

 84, 101.568,
308.066

 94, 101.568,

308.066

■ 24, 101.568,
308.066

■ 24, 101.568,
308.066

■ 24, 101.504,
308.051

■ 27, 96.039,
308.008

■ 30, 87.997,
307.596

■ 35, 77.801,
306.828

■ 40, 66.512,
305.884

■ 45, 54.860,
304.895

■ 51, 43.257,
303.940

■ 57, 31.907,
303.057

■ 63, 20.900,
302.263

■ 68, 10.267,
301.559

Harmonies

Complementary

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



24, 101.568, 308.066



69, 79.062, 118.756

Rectangle

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



24, 101.568, 308.066



24, 101.568, 358.066



24, 101.568, 128.066



24, 101.568, 178.066

Sweetspot

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



24, 101.504, 308.051



72, 39.458, 303.099



52, 36.340, 249.607



35, 27.333, 303.461



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



24, 101.504, 308.051



32, 123.605, 307.911



36, 92.185, 319.559



36, 5.831, 301.516



20, 89.967, 308.159



1, 15.564, 298.271

Inverse Universe

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



41, 72.969, 343.234



53, 88.417, 343.561



65, 91.068, 134.215



36, 5.691, 333.971



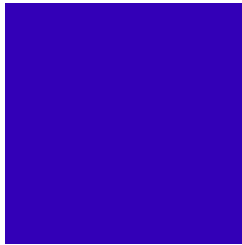
34, 64.918, 342.993



3, 14.339, 338.065

Previews

White Background



This preview shows how the CIE LCh color 24, 101.568, 308.066 looks on a white background.

Color Contrast Check

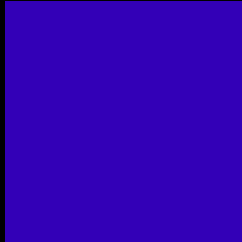
Large Text (above 18pt) WCAG AA ✓ Pass

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, 101.568, 308.066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

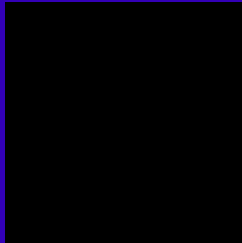
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 101.568, 308.066

Background



This preview shows how black text looks on a background with the CIELCh color 24, 101.568, 308.066.



This preview shows how white text looks on a background with the CIELCh color 24, 101.568, 308.066.

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, 101.568, 308.066

Protanopia

25, 41.773, 284.266

Deuteranopia

25, 28.912, 269.037



Tritanopia
25, 18.457, 204.901

Trichromacy



Original Color
24, 101.568, 308.066

Protanomaly
22, 69.169, 300.488

Deuteranomaly
21, 61.480, 298.767

Tritanomaly
20, 46.558, 294.029

Monochromacy



Original Color
24, 101.568, 308.066

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 45.697, 306.630

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 101.568, 308.066 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(51, 0, 183)` looks like.

```
.text, #text, p{  
    color:rgb(51, 0, 183)  
}
```

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(51, 0, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 0, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 101.568, 308.066 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(51, 0, 183) }
```

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

```
.border{ border-color:rgb(51, 0, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 0, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 0, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 0, 183);  
box-shadow:4px 4px 4px 4px rgb(51, 0, 183)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 101.568, 308.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 0, 183) }
```

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

```
.background{ background-color: rgb(51, 0,  
183) }
```

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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