

Converting Colors

CIELCh(24, 102.096, 307.864)

Have a look what the booklet for
CIELCh(24, 102.096, 307.864)
contains.

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Color

CIELCh(24, 102.273, 307.856)

Conversions

Conversions Part 1

Format	Color
Hex	3000B8
RGB	48, 0, 184
RGB Percent	19%, 0%, 72%
CMY	0.81111, 0.9995, 0.2780
CMYK	0.74, 1.00, 0.00, 0.28
HSL	256°, 100%, 36%
HSV	256°, 100%, 72%
XYZ	9.8903, 4.1002, 45.6744
YIQ	35.3280, -30.4560, 67.4000

Conversions

Conversions Part 2

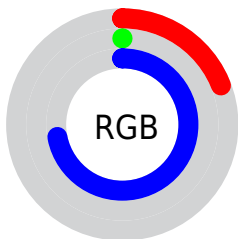
Format	Color
R _Y B	48, 0, 184
Decimal	3145912
CIE Lab	24.00, 62.76, -80.75
CIE LCh	24, 102.273, 307.856
Yxy	4.1002, 0.1658, 0.0687
Android (android.graphics.Color)	4281335992 (0xFF3000B8)
YUV	35.3280, 73.2953, 11.1133
Hunter-Lab	20.2490, 51.7501, -119.5625

Details

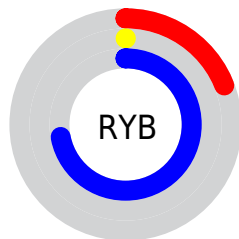
The CIELCh color **24, 102.273, 307.856** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **69, 79.096, 117.935**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 102.644, 307.892**, and **13, 80.724, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **24, 102.312, 307.859**, and if you desaturate by 10%, it is **27, 96.760, 307.766**.

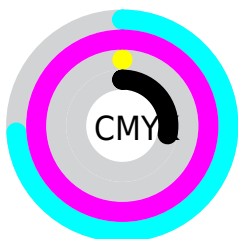
Distribution



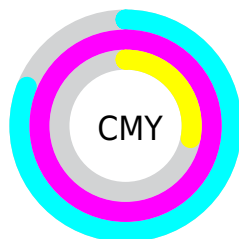
- Red (19%)
- Green (0%)
- Blue (72%)



- Red (19%)
- Yellow (0%)
- Blue (72%)



- Cyan (74%)
- Magenta (100%)
- Yellow (0%)
- Black (28%)





- Cyan (81%)
- Magenta (100%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 102.273, 307.856 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, 102.273, 307.856 by changing the saturation by 10% instead.


 24, 102.273,
307.856


 24, 102.273,
307.856


 100, 102.273,
307.856


 14, 102.273,
307.856


 44, 102.273,
307.856


 4, 102.273,
307.856


 54, 102.273,
307.856

 0, 102.273,
307.856

 64, 102.273,
307.856

 74, 102.273,
307.856

 84, 102.273,
307.856

 94, 102.273,

307.856

■ 24, 102.273,
307.856

■ 24, 102.273,
307.856

■ 24, 102.312,
307.859

■ 27, 96.760,
307.766

■ 30, 88.591,
307.293

■ 35, 78.250,
306.462

■ 40, 66.831,
305.459

■ 45, 55.072,
304.420

■ 51, 43.385,
303.421

■ 57, 31.969,
302.504

■ 63, 20.910,
301.682

■ 69, 10.233,
300.956

Harmonies

Complementary

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



24, 102.273, 307.856



69, 79.096, 117.935

Rectangle

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



24, 102.273, 307.856



24, 102.273, 357.856



24, 102.273, 127.856



24, 102.273, 177.856

Sweetspot

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



24, 102.275, 307.857



73, 39.747, 302.554



54, 35.807, 246.202



35, 27.299, 302.929



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, 102.275, 307.857



33, 124.931, 307.724



36, 92.909, 318.996



36, 5.819, 300.916



19, 90.202, 307.967



1, 15.545, 297.809

Inverse Universe

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



41, 74.158, 342.098



54, 90.121, 342.409



66, 91.254, 133.977



36, 5.758, 333.334



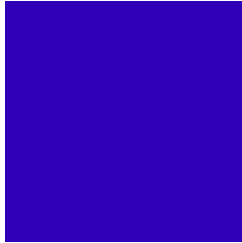
35, 65.633, 341.880



3, 14.546, 337.172

Previews

White Background



This preview shows how the CIELCh color 24, 102.273, 307.856 looks on a white background.

Color Contrast Check

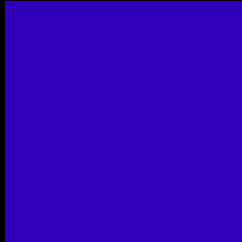
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.273, 307.856 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, 102.273, 307.856

Background



This preview shows how black text looks on a background with the CIELCh color 24, 102.273, 307.856.



This preview shows how white text looks on a background with the CIELCh color 24, 102.273, 307.856.

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, 102.273, 307.856

Protanopia

25, 41.773, 284.266

Deuteranopia

25, 28.899, 269.519



Tritanopia
25, 18.457, 204.901

Trichromacy



Original Color
24, 102.273, 307.856

Protanomaly
22, 69.735, 300.569

Deuteranomaly
21, 61.480, 298.767

Tritanomaly
20, 46.558, 294.029

Monochromacy



Original Color
24, 102.273, 307.856

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 46.391, 306.635

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 102.273, 307.856 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, 0, 184)` looks like.

```
.text, #text, p{  
    color:rgb(48, 0, 184)  
}
```

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, 0, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 0, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 102.273, 307.856 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, 0, 184) }
```

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

```
.border{ border-color:rgb(48, 0, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 0, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 0, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 0, 184);  
box-shadow:4px 4px 4px 4px rgb(48, 0, 184)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 102.273, 307.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 0, 184) }
```

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

```
.background{ background-color: rgb(48, 0,  
184) }
```

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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