

Converting Colors

CIELCh(24, 103.068, 305.798)

Have a look what the booklet for
CIELCh(24, 103.068, 305.798)
contains.

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Color

CIELCh(24, 103.229, 305.823)

Conversions

Conversions Part 1

Format	Color
Hex	130DBD
RGB	19, 13, 189
RGB Percent	7%, 5%, 74%
CMY	0.9254, 0.9491, 0.2588
CMYK	0.90, 0.93, 0.00, 0.26
HSL	242°, 87%, 40%
HSV	242°, 93%, 74%
XYZ	9.5975, 4.1002, 48.4286
YIQ	34.8580, -52.9200, 56.0080

Conversions

Conversions Part 2

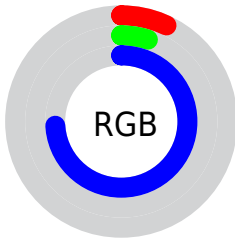
Format	Color
R _Y B	19, 13, 189
Decimal	1248701
CIE Lab	24.00, 60.42, -83.70
CIE LCh	24, 103.229, 305.823
Yxy	4.1002, 0.1545, 0.0660
Android (android.graphics.Color)	4279438781 (0xFF130DBD)
YUV	34.8580, 75.9920, -13.9075
Hunter-Lab	20.2490, 49.1684, -127.6271

Details

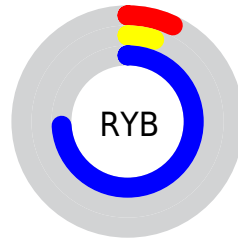
The CIELCh color **24, 103.229, 305.823** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **74, 76.042, 104.988**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 103.206, 305.738**, and **14, 82.974, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **23, 106.662, 306.385**, and if you desaturate by 10%, it is **27, 95.567, 304.610**.

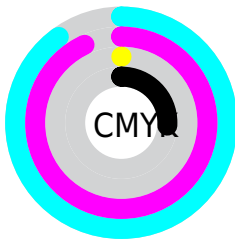
Distribution



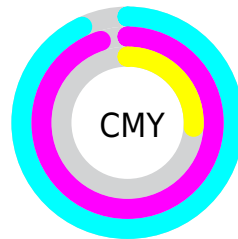
- Red (7%)
- Green (5%)
- Blue (74%)



- Red (7%)
- Yellow (5%)
- Blue (74%)



- Cyan (90%)
- Magenta (93%)
- Yellow (0%)
- Black (26%)





- Cyan (93%)
- Magenta (95%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 103.229, 305.823 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, 103.229, 305.823 by changing the saturation by 10% instead.


 24, 103.229,
305.823


 24, 103.229,
305.823


 100, 103.229,
305.823


 14, 103.229,
305.823


 44, 103.229,
305.823


 4, 103.229,
305.823


 54, 103.229,
305.823

 0, 103.229,
305.823

 64, 103.229,
305.823

 74, 103.229,
305.823

 84, 103.229,
305.823

 94, 103.229,

305.823

■ 24, 103.229,
305.823

■ 24, 103.229,
305.823

■ 23, 106.662,
306.385

■ 27, 95.567,
304.610

■ 31, 84.816,
302.843

■ 37, 72.631,
300.841

■ 43, 60.127,
298.856

■ 49, 47.845,
297.029

■ 55, 35.988,
295.416

■ 62, 24.605,
294.022

■ 68, 13.686,
292.831

■ 75, 3.204, 291.828

Harmonies

Complementary

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



24, 103.229, 305.823



74, 76.042, 104.988

Rectangle

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



24, 103.229, 305.823



24, 103.229, 355.823



24, 103.229, 125.823



24, 103.229, 175.823

Sweetspot

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



24, 103.231, 305.824



74, 37.162, 294.737



68, 37.908, 201.482



36, 25.879, 295.362



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



24, 103.231, 305.824



31, 129.590, 306.358



32, 96.095, 313.055



36, 5.857, 292.430



18, 93.428, 306.409



1, 17.446, 291.595

Inverse Universe

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



45, 88.623, 329.512



58, 109.028, 329.668



69, 85.699, 128.452



37, 6.906, 325.862



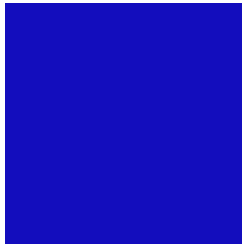
37, 78.732, 329.625



3, 20.782, 326.655

Previews

White Background



This preview shows how the CIELCh color 24, 103.229, 305.823 looks on a white background.

Color Contrast Check

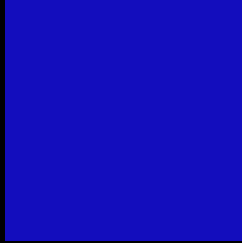
Large Text (above 18pt) WCAG AA ✓ Pass

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, 103.229, 305.823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

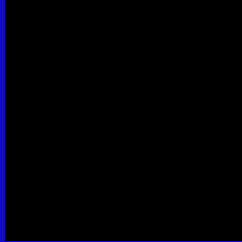
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 103.229, 305.823

Background



This preview shows how black text looks on a background with the CIELCh color 24, 103.229, 305.823.



This preview shows how white text looks on a background with the CIELCh color 24, 103.229, 305.823.

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, 103.229, 305.823

Protanopia

24, 41.297, 284.583

Deuteranopia

24, 28.344, 269.109

Trichromacy



Original Color
24, 103.229, 305.823

Protanomaly
22, 67.955, 299.073

Deuteranomaly
22, 58.867, 296.421

Monochromacy



Original Color
24, 103.229, 305.823

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 44.583, 301.260

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 103.229, 305.823 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(19, 13, 189)` looks like.

```
.text, #text, p{  
    color:rgb(19, 13, 189)  
}
```

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(19, 13, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 13, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 103.229, 305.823 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(19, 13, 189) }
```

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

```
.border{ border-color:rgb(19, 13, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 13, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 13, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 13, 189);  
box-shadow:4px 4px 4px 4px rgb(19, 13,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 103.229, 305.823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 13, 189) }
```

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

```
.background{ background-color: rgb(19, 13,  
189) }
```

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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