

Converting Colors

CIELCh(24, 109.698, 306.561)

Have a look what the booklet for
CIELCh(24, 109.698, 306.561)
contains.

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Color

CIELCh(24, 109.345, 306.526)

Conversions

Conversions Part 1

Format	Color
Hex	1000C4
RGB	16, 0, 196
RGB Percent	6%, 0%, 77%
CMY	0.9365, 0.9998, 0.2312
CMYK	0.92, 1.00, 0.00, 0.23
HSL	245°, 100%, 38%
HSV	245°, 100%, 77%
XYZ	10.1857, 4.1002, 52.5035
YIQ	27.1280, -53.3800, 64.3480

Conversions

Conversions Part 2

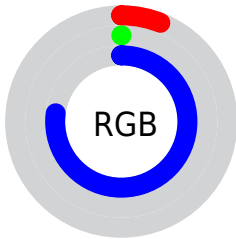
Format	Color
R _Y B	16, 0, 196
Decimal	1048772
CIE Lab	24.00, 65.08, -87.87
CIE LCh	24, 109.345, 306.526
Yxy	4.1002, 0.1525, 0.0614
Android (android.graphics.Color)	4279238852 (0xFF1000C4)
YUV	27.1280, 83.2539, -9.7593
Hunter-Lab	20.2490, 54.3536, -139.5586

Details

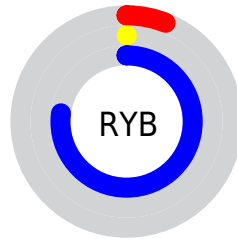
The CIELCh color **24, 109.345, 306.526** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **76, 79.904, 107.930**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 109.082, 306.470**, and **15, 85.654, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **24, 109.357, 306.529**, and if you desaturate by 10%, it is **26, 103.831, 305.853**.

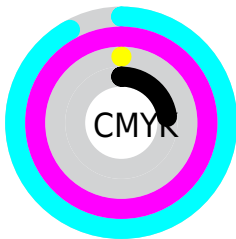
Distribution



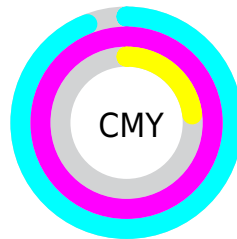
- Red (6%)
- Green (0%)
- Blue (77%)



- Red (6%)
- Yellow (0%)
- Blue (77%)



- Cyan (92%)
- Magenta (100%)
- Yellow (0%)
- Black (23%)





- Cyan (94%)
- Magenta (100%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 109.345, 306.526 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, 109.345, 306.526 by changing the saturation by 10% instead.


 24, 109.345,
306.526


 24, 109.345,
306.526


 100, 109.345,
306.526


 14, 109.345,
306.526


 44, 109.345,
306.526


 4, 109.345,
306.526


 54, 109.345,
306.526

 0, 109.345,
306.526

 64, 109.345,
306.526

 74, 109.345,
306.526

 84, 109.345,
306.526

 94, 109.345,

306.526

■ 24, 109.345,
306.526

■ 24, 109.345,
306.526

■ 24, 109.357,
306.529

■ 26, 103.831,
305.853

■ 30, 94.848,
304.656

■ 35, 83.298,
303.029

■ 41, 70.684,
301.253

■ 47, 57.918,
299.525

■ 53, 45.427,
297.945

■ 60, 33.372,
296.550

■ 66, 21.790,
295.343

■ 73, 10.671,
294.308

Harmonies

Complementary

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



24, 109.345, 306.526



76, 79.904, 107.930

Rectangle

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



24, 109.345, 306.526



24, 109.345, 356.526



24, 109.345, 126.526



24, 109.345, 176.526

Sweetspot

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



24, 109.347, 306.527



76, 41.382, 296.614



68, 37.744, 207.774



37, 28.483, 297.192



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



24, 109.347, 306.527



33, 133.399, 306.478



33, 100.953, 313.475



37, 5.998, 294.249



19, 94.271, 306.582



1, 19.512, 293.366

Inverse Universe

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



46, 88.850, 331.828



59, 108.188, 331.891



70, 91.440, 130.140



38, 6.830, 327.254



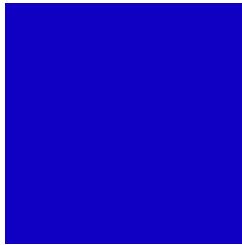
37, 76.733, 331.772



4, 22.426, 329.264

Previews

White Background



This preview shows how the CIE LCh color 24, 109.345, 306.526 looks on a white background.

Color Contrast Check

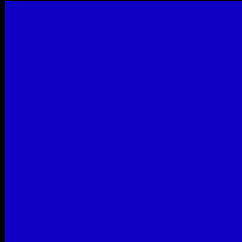
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109.345, 306.526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

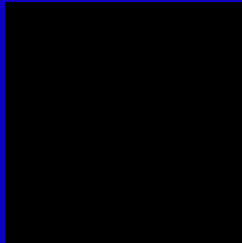
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 109.345, 306.526

Background



This preview shows how black text looks on a background with the CIELCh color 24, 109.345, 306.526.



This preview shows how white text looks on a background with the CIELCh color 24, 109.345,

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, 109.345, 306.526

Protanopia

25, 41.773, 284.266

Deuteranopia

25, 28.377, 268.130



Tritanopia
25, 18.558, 202.729

Trichromacy



Original Color
24, 109.345, 306.526

Protanomaly
22, 72.192, 300.312

Deuteranomaly
21, 64.016, 298.461

Tritanomaly
20, 49.227, 293.585

Monochromacy



Original Color
24, 109.345, 306.526

Achromatopsia
10, 0.003, 296.813

Achromatomaly
11, 49.828, 303.839

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 109.345, 306.526 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(16, 0, 196)` looks like.

```
.text, #text, p{  
    color:rgb(16, 0, 196)  
}
```

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(16, 0, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 0, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 109.345, 306.526 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(16, 0, 196) }
```

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

```
.border{ border-color:rgb(16, 0, 196) }
```

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

Here you see how a box with a 4 pixel rgb(16, 0, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 0, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 0, 196);  
box-shadow:4px 4px 4px 4px rgb(16, 0, 196)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 109.345, 306.526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 0, 196) }
```

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

```
.background{ background-color: rgb(16, 0,  
196) }
```

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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