

Converting Colors

CIELCh(24, 109.663, 306.105)

Have a look what the booklet for
CIELCh(24, 109.663, 306.105)
contains.

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Color

CIELCh(24, 109.510, 306.118)

Conversions

Conversions Part 1

Format	Color
Hex	0003C5
RGB	0, 3, 197
RGB Percent	0%, 1%, 77%
CMY	0.9991, 0.9881, 0.2273
CMYK	1.00, 0.98, 0.00, 0.23
HSL	239°, 100%, 39%
HSV	239°, 100%, 77%
XYZ	10.1176, 4.1002, 53.1028
YIQ	24.2190, -64.0620, 59.6980

Conversions

Conversions Part 2

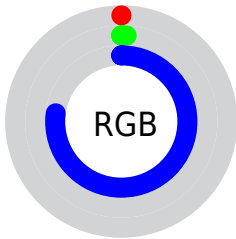
Format	Color
RYB	0, 3, 197
Decimal	965
CIELab	24.00, 64.55, -88.46
CIElCh	24, 109.510, 306.118
Yxy	4.1002, 0.1503, 0.0609
Android (android.graphics.Color)	4278191045 (0xFF0003C5)
YUV	24.2190, 85.1810, -21.2401
Hunter-Lab	20.2490, 53.7537, -141.3135

Details

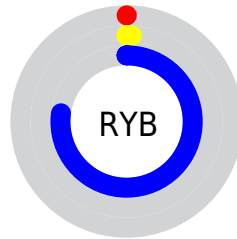
The CIELCh color **24, 109.510, 306.118** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **76, 78.945, 101.957**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **44, 109.234, 306.061**, and **15, 86.098, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **24, 109.571, 306.129**, and if you desaturate by 10%, it is **26, 103.915, 305.134**.

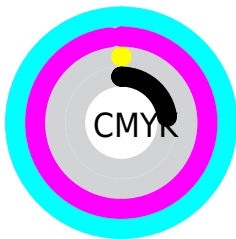
Distribution



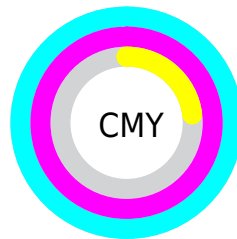
- Red (0%)
- Green (1%)
- Blue (77%)



- Red (0%)
- Yellow (1%)
- Blue (77%)



- Cyan (100%)
- Magenta (98%)
- Yellow (0%)
- Black (23%)





- Cyan (100%)
- Magenta (99%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 109.510, 306.118 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, 109.510, 306.118 by changing the saturation by 10% instead.


 24, 109.510,
306.118


 24, 109.510,
306.118


 100, 109.510,
306.118


 14, 109.510,
306.118


 44, 109.510,
306.118


 4, 109.510,
306.118

 54, 109.510,
306.118

 0, 109.510,
306.118

 64, 109.510,
306.118

 74, 109.510,
306.118

 84, 109.510,
306.118

 94, 109.510,

306.118

■ 24, 109.510,
306.118

■ 24, 109.510,
306.118

■ 24, 109.571,
306.129

■ 26, 103.915,
305.134

■ 30, 94.553,
303.447

■ 35, 82.708,
301.312

■ 40, 69.949,
299.056

■ 47, 57.174,
296.906

■ 53, 44.764,
294.975

■ 60, 32.836,
293.296

■ 66, 21.399,
291.860

■ 73, 10.427,
290.642

Harmonies

Complementary

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



24, 109.510, 306.118



76, 78.945, 101.957

Rectangle

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



24, 109.510, 306.118



24, 109.510, 356.118



24, 109.510, 126.118



24, 109.510, 176.118

Sweetspot

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



24, 109.512, 306.119



76, 40.696, 293.387



72, 41.786, 193.852



37, 28.017, 294.081



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, 109.512, 306.119



32, 133.259, 306.173



31, 103.132, 311.480



38, 6.025, 290.587



19, 95.135, 306.088



1, 21.293, 291.391

Inverse Universe

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



41, 85.419, 39.428



53, 104.012, 39.608



71, 89.379, 127.543



39, 4.278, 18.774



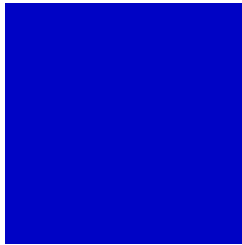
34, 74.071, 39.205



3, 15.889, 18.668

Previews

White Background



This preview shows how the CIE LCh color 24, 109.510, 306.118 looks on a white background.

Color Contrast Check

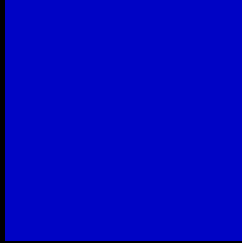
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109.510, 306.118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

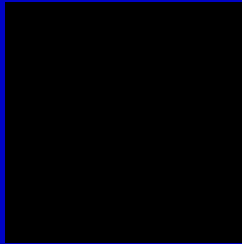
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 109.510, 306.118

Background



This preview shows how black text looks on a background with the CIELCh color 24, 109.510, 306.118.



This preview shows how white text looks on a background with the CIELCh color 24, 109.510,

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, 109.510, 306.118

Protanopia

25, 41.773, 284.266

Deuteranopia

25, 28.377, 268.130



Tritanopia
25, 18.558, 202.729

Trichromacy



Original Color
24, 109.510, 306.118

Protanomaly
22, 72.202, 299.870

Deuteranomaly
22, 63.313, 297.534

Tritanomaly
20, 49.202, 292.699

Monochromacy



Original Color
24, 109.510, 306.118

Achromatopsia
8, 0.002, 296.813

Achromatomaly
10, 50.239, 302.733

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 109.510, 306.118 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(0, 3, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 3, 197)  
}
```

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(0, 3, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 3, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 109.510, 306.118 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(0, 3, 197) }
```

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

```
.border{ border-color:rgb(0, 3, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 3, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 3, 197); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 3, 197); box-shadow:4px  
4px 4px 4px rgb(0, 3, 197) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 109.510, 306.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 3, 197) }
```

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

```
.background{ background-color: rgb(0, 3,  
197) }
```

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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