

Converting Colors

CIELCh(24, 103.603, 305.191)

Have a look what the booklet for
CIELCh(24, 103.603, 305.191)
contains.

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Color

CIELCh(24, 103.764, 305.262)

Conversions

Conversions Part 1

Format	Color
Hex	0010BF
RGB	0, 16, 191
RGB Percent	0%, 6%, 75%
CMY	1.0000, 0.9386, 0.2521
CMYK	1.00, 0.92, 0.00, 0.25
HSL	235°, 100%, 37%
HSV	235°, 100%, 75%
XYZ	9.5341, 4.1002, 49.4100
YIQ	31.1660, -65.7110, 51.0330

Conversions

Conversions Part 2

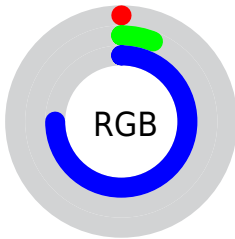
Format	Color
RYB	0, 15, 191
Decimal	4287
CIELab	24.00, 59.90, -84.73
CIELCh	24, 103.764, 305.262
Yxy	4.1002, 0.1512, 0.0650
Android (android.graphics.Color)	4278194367 (0xFF0010BF)
YUV	31.1660, 78.7982, -27.3326
Hunter-Lab	20.2490, 48.6098, -130.5007

Details

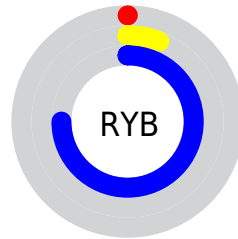
The CIELCh color **24, 103.764, 305.262** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **71, 73.445, 97.304**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 103.814, 305.285**, and **14, 83.870, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **24, 103.735, 305.286**, and if you desaturate by 10%, it is **27, 96.438, 303.706**.

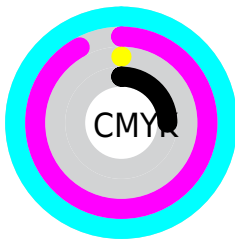
Distribution



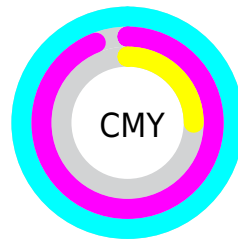
- Red (0%)
- Green (6%)
- Blue (75%)



- Red (0%)
- Yellow (6%)
- Blue (75%)



- Cyan (100%)
- Magenta (92%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (94%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 103.764, 305.262 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, 103.764, 305.262 by changing the saturation by 10% instead.


 24, 103.764,
305.262


 24, 103.764,
305.262


 100, 103.764,
305.262


 14, 103.764,
305.262


 44, 103.764,
305.262


 4, 103.764,
305.262


 54, 103.764,
305.262

 0, 103.764,
305.262

 64, 103.764,
305.262

 74, 103.764,
305.262

 84, 103.764,
305.262

 94, 103.764,

305.262

■ 24, 103.764,
305.262

■ 24, 103.764,
305.262

■ 24, 103.735,
305.286

■ 27, 96.438,
303.706

■ 31, 86.376,
301.499

■ 36, 74.948,
299.026

■ 41, 63.203,
296.565

■ 47, 51.658,
294.287

■ 53, 40.505,
292.267

■ 59, 29.785,
290.519

■ 65, 19.482,
289.024

■ 71, 9.567, 287.753

Harmonies

Complementary

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



24, 103.764, 305.262



71, 73.445, 97.304

Rectangle

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



24, 103.764, 305.262



24, 103.764, 355.262



24, 103.764, 125.262



24, 103.764, 175.262

Sweetspot

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



24, 103.735, 305.286



75, 36.824, 290.597



70, 43.448, 184.417



37, 25.541, 291.316



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



24, 103.735, 305.286



32, 127.069, 305.496



28, 102.106, 310.147



37, 5.369, 287.677



19, 89.632, 305.080



1, 16.404, 288.261

Inverse Universe

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



40, 80.624, 36.805



52, 98.788, 37.435



70, 85.331, 125.052



37, 4.113, 13.282



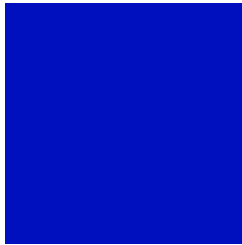
32, 69.668, 36.200



3, 12.307, 14.683

Previews

White Background



This preview shows how the CIE LCh color 24, 103.764, 305.262 looks on a white background.

Color Contrast Check

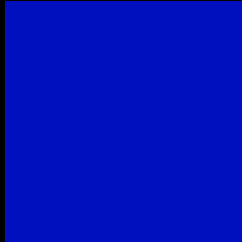
Large Text (above 18pt) WCAG AA ✓ Pass

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, 103.764, 305.262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

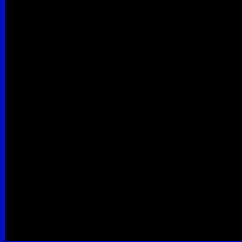
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 103.764, 305.262

Background



This preview shows how black text looks on a background with the CIELCh color 24, 103.764, 305.262.



This preview shows how white text looks on a background with the CIELCh color 24, 103.764, 305.262.

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, 103.764, 305.262

Protanopia

25, 41.233, 284.213

Deuteranopia

25, 28.359, 268.618



Tritanopia
24, 18.368, 202.811

Trichromacy



Original Color
24, 103.764, 305.262

Protanomaly
23, 67.282, 298.198

Deuteranomaly
22, 58.741, 295.458

Tritanomaly
21, 44.460, 289.333

Monochromacy



Original Color
24, 103.764, 305.262

Achromatopsia
12, 0.003, 296.813

Achromatomaly
13, 45.035, 299.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 103.764, 305.262 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, 16, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 16, 191)  
}
```

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, 16, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 16, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 103.764, 305.262 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, 16, 191) }
```

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

```
.border{ border-color:rgb(0, 16, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 16, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 16, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 16, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 16, 191)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 103.764, 305.262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 16, 191) }
```

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

```
.background{ background-color: rgb(0, 16,  
191) }
```

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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