

Converting Colors

CIELCh(24, 105.004, 305.567)

Have a look what the booklet for
CIELCh(24, 105.004, 305.567)
contains.

CIELCh(24, 104.983, 305.546)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(24, 104.983, 305.546)

Conversions

Conversions Part 1

Format	Color
Hex	020DC0
RGB	2, 13, 192
RGB Percent	1%, 5%, 75%
CMY	0.9904, 0.9496, 0.2475
CMYK	0.99, 0.93, 0.00, 0.25
HSL	237°, 97%, 38%
HSV	237°, 99%, 75%
XYZ	9.6736, 4.1002, 50.0823
YIQ	30.1170, -64.0150, 53.3370

Conversions

Conversions Part 2

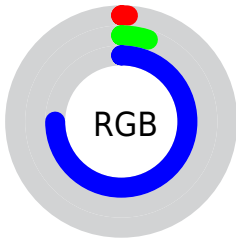
Format	Color
RYB	2, 12, 192
Decimal	134592
CIELab	24.00, 61.03, -85.42
CIELCh	24, 104.983, 305.546
Yxy	4.1002, 0.1515, 0.0642
Android (android.graphics.Color)	4278324672 (0xFF020DC0)
YUV	30.1170, 79.8083, -24.6586
Hunter-Lab	20.2490, 49.8399, -132.4691

Details

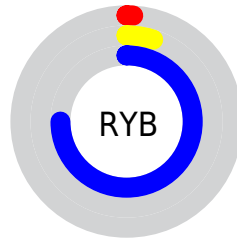
The CIELCh color **24, 104.983, 305.546** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **73, 74.940, 99.305**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 104.792, 305.512**, and **14, 84.316, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **24, 105.613, 305.659**, and if you desaturate by 10%, it is **27, 97.967, 304.120**.

Distribution



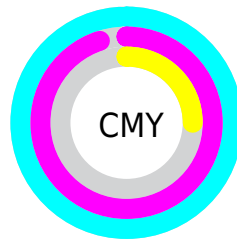
- Red (1%)
- Green (5%)
- Blue (75%)



- Red (1%)
- Yellow (5%)
- Blue (75%)



- Cyan (99%)
- Magenta (93%)
- Yellow (0%)
- Black (25%)





- Cyan (99%)
- Magenta (95%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 104.983, 305.546 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, 104.983, 305.546 by changing the saturation by 10% instead.


 24, 104.983,
305.546


 24, 104.983,
305.546


 100, 104.983,
305.546


 14, 104.983,
305.546


 44, 104.983,
305.546


 4, 104.983,
305.546

 54, 104.983,
305.546

 0, 104.983,
305.546

 64, 104.983,
305.546

 74, 104.983,
305.546

 84, 104.983,
305.546

 94, 104.983,

305.546

■ 24, 104.983,
305.546

■ 24, 104.983,
305.546

■ 24, 105.613,
305.659

■ 27, 97.967,
304.120

■ 31, 87.835,
302.052

■ 36, 76.129,
299.689

■ 41, 64.015,
297.320

■ 47, 52.082,
295.122

■ 53, 40.550,
293.172

■ 60, 29.473,
291.486

■ 66, 18.837,
290.045

■ 72, 8.613, 288.823

Harmonies

Complementary

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



24, 104.983, 305.546



73, 74.940, 99.305

Rectangle

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



24, 104.983, 305.546



24, 104.983, 355.546



24, 104.983, 125.546



24, 104.983, 175.546

Sweetspot

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



24, 104.985, 305.547



75, 38.287, 291.764



70, 42.777, 186.768



37, 26.342, 292.469



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, 104.985, 305.547



32, 129.576, 305.823



29, 101.620, 310.505



38, 5.651, 288.896



19, 92.089, 305.509



1, 18.716, 289.655

Inverse Universe

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



40, 81.495, 37.613



52, 100.865, 38.455



70, 85.799, 125.579



38, 4.193, 15.482



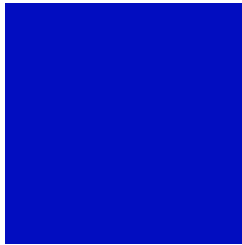
33, 71.594, 37.472



3, 14.028, 16.410

Previews

White Background



This preview shows how the CIELCh color 24, 104.983, 305.546 looks on a white background.

Color Contrast Check

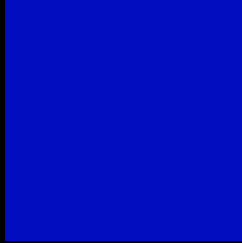
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104.983, 305.546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

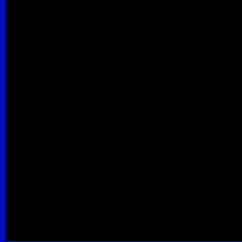
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 104.983, 305.546

Background



This preview shows how black text looks on a background with the CIELCh color 24, 104.983, 305.546.



This preview shows how white text looks on a background with the CIELCh color 24, 104.983, 305.546.

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, 105.006, 305.530

Protanopia

25, 41.233, 284.213

Deuteranopia

25, 28.359, 268.618



Tritanopia
24, 18.368, 202.811

Trichromacy



Original Color
24, 105.006, 305.530

Protanomaly
23, 68.516, 298.691

Deuteranomaly
22, 60.135, 296.366

Tritanomaly
21, 45.161, 290.113

Monochromacy



Original Color
24, 105.006, 305.530

Achromatopsia
11, 0.003, 296.813

Achromatomaly
13, 45.760, 300.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 104.983, 305.546 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(2, 13, 192)` looks like.

```
.text, #text, p{  
    color:rgb(2, 13, 192)  
}
```

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(2, 13, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 13, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 104.983, 305.546 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(2, 13, 192) }
```

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

```
.border{ border-color:rgb(2, 13, 192) }
```

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

Here you see how a box with a 4 pixel rgb(2, 13, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 13, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 13, 192);  
box-shadow:4px 4px 4px 4px rgb(2, 13, 192)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 104.983, 305.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 13, 192) }
```

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

```
.background{ background-color: rgb(2, 13,  
192) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor