

Converting Colors

CIELCh(24, 93.654, 303.769)

Have a look what the booklet for
CIELCh(24, 93.654, 303.769)
contains.

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Color

CIELCh(24, 93.466, 303.732)

Conversions

Conversions Part 1

Format	Color
Hex	031CB3
RGB	3, 28, 179
RGB Percent	1%, 11%, 70%
CMY	0.9888, 0.8903, 0.2982
CMYK	0.98, 0.84, 0.00, 0.30
HSL	231°, 97%, 36%
HSV	231°, 98%, 70%
XYZ	8.5824, 4.1002, 42.9660
YIQ	37.7390, -63.3710, 41.6610

Conversions

Conversions Part 2

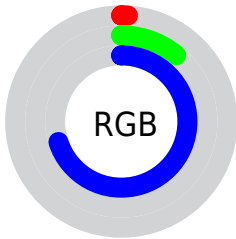
Format	Color
R_{YB}	3, 25, 179
Decimal	203955
CIE _{Lab}	24.00, 51.90, -77.73
CIE _{LCh}	24, 93.466, 303.732
Yxy	4.1002, 0.1542, 0.0737
Android (android.graphics.Color)	4278394035 (0xFF031CB3)
YUV	37.7390, 69.6417, -30.4661
Hunter-Lab	20.2490, 40.2208, -111.6322

Details

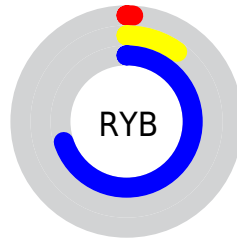
The CIELCh color **24, 93.466, 303.732** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **64, 67.169, 92.876**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 93.469, 303.788**, and **12, 78.913, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **24, 94.637, 304.017**, and if you desaturate by 10%, it is **27, 84.929, 301.483**.

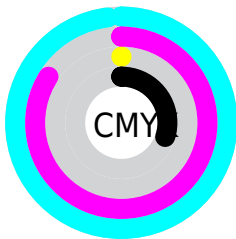
Distribution



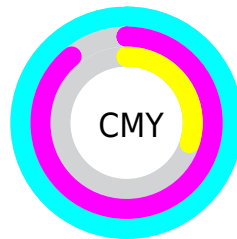
- Red (1%)
- Green (11%)
- Blue (70%)



- Red (1%)
- Yellow (10%)
- Blue (70%)



- Cyan (98%)
- Magenta (84%)
- Yellow (0%)
- Black (30%)





- Cyan (99%)
- Magenta (89%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 93.466, 303.732 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, 93.466, 303.732 by changing the saturation by 10% instead.

 24, 93.466,
303.732


 24, 93.466,
303.732

 100, 93.466,
303.732


 14, 93.466,
303.732


 44, 93.466,
303.732


 4, 93.466, 303.732

 54, 93.466,
303.732

 0, 93.466, 303.732

 64, 93.466,
303.732

 74, 93.466,
303.732

 84, 93.466,
303.732

 94, 93.466,

303.732

■ 24, 93.466,
303.732

■ 24, 93.466,
303.732

■ 24, 94.637,
304.017

■ 27, 84.929,
301.483

■ 31, 74.948,
298.838

■ 36, 64.484,
296.118

■ 41, 54.092,
293.534

■ 46, 44.001,
291.201

■ 52, 34.274,
289.156

■ 57, 24.903,
287.393

■ 63, 15.865,
285.885

■ 68, 7.132, 284.603

Harmonies

Complementary

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



24, 93.466, 303.732



64, 67.169, 92.876

Rectangle

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



24, 93.466, 303.732



24, 93.466, 353.732



24, 93.466, 123.732



24, 93.466, 173.732

Sweetspot

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



24, 93.468, 303.733



72, 32.605, 287.742



65, 44.513, 176.500



35, 22.590, 288.467



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



24, 93.468, 303.733



32, 116.292, 304.353



25, 97.817, 309.071



35, 4.801, 284.711



20, 83.554, 303.756



1, 11.880, 285.310

Inverse Universe

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



37, 73.025, 32.621



49, 90.623, 34.180



67, 79.115, 122.023



35, 3.974, 8.471



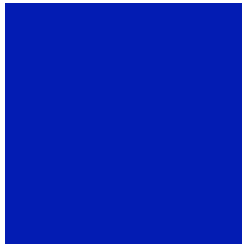
31, 65.392, 32.626



2, 9.292, 10.327

Previews

White Background



This preview shows how the CIE LCh color 24, 93.466, 303.732 looks on a white background.

Color Contrast Check

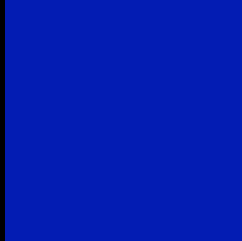
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.466, 303.732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

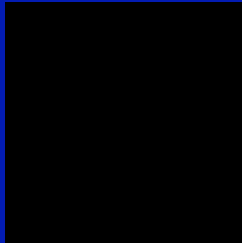
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 93.466, 303.732

Background



This preview shows how black text looks on a background with the CIELCh color 24, 93.466, 303.732.



This preview shows how white text looks on a background with the CIELCh color 24, 93.466, 303.732.

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, 93.466, 303.732

Protanopia

24, 41.297, 284.583

Deuteranopia

24, 28.344, 269.109



Tritanopia
24, 18.492, 200.637

Trichromacy



Original Color
24, 93.466, 303.732

Protanomaly
23, 61.599, 296.086

Deuteranomaly
23, 53.586, 293.135

Tritanomaly
22, 37.874, 283.586

Monochromacy



Original Color
24, 93.466, 303.732

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 38.224, 295.825

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 93.466, 303.732 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(3, 28, 179)` looks like.

```
.text, #text, p{  
    color:rgb(3, 28, 179)  
}
```

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(3, 28, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 28, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 93.466, 303.732 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(3, 28, 179) }
```

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

```
.border{ border-color:rgb(3, 28, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 28, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 28, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 28, 179);  
box-shadow:4px 4px 4px 4px rgb(3, 28, 179)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 93.466, 303.732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 28, 179) }
```

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

```
.background{ background-color: rgb(3, 28,  
179) }
```

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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