

Converting Colors

CIELCh(25, 97.629, 303.777)

Have a look what the booklet for
CIELCh(25, 97.629, 303.777)
contains.

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Color

CIELCh(25, 97.407, 303.907)

Conversions

Conversions Part 1

Format	Color
Hex	001CBB
RGB	0, 28, 187
RGB Percent	0%, 11%, 73%
CMY	1.0000, 0.8903, 0.2668
CMYK	1.00, 0.85, 0.00, 0.27
HSL	231°, 100%, 37%
HSV	231°, 100%, 73%
XYZ	9.3803, 4.4155, 47.3569
YIQ	37.7540, -67.7270, 43.5130

Conversions

Conversions Part 2

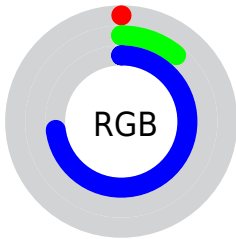
Format	Color
R_{YB}	0, 24, 187
Decimal	7355
CIE _{Lab}	25.00, 54.34, -80.84
CIE _{LCh}	25, 97.407, 303.907
Yxy	4.4155, 0.1534, 0.0722
Android (android.graphics.Color)	4278197435 (0xFF001CBB)
YUV	37.7540, 73.5783, -33.1103
Hunter-Lab	21.0130, 42.9101, -118.9123

Details

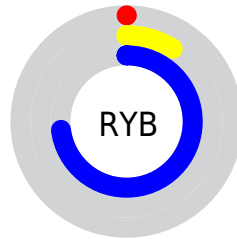
The CIELCh color **25, 97.407, 303.907** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **66, 69.418, 92.104**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 97.491, 303.915**, and **14, 82.076, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 97.408, 303.910**, and if you desaturate by 10%, it is **28, 88.864, 301.717**.

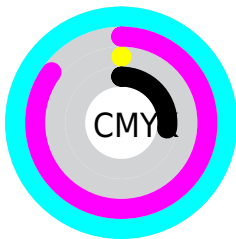
Distribution



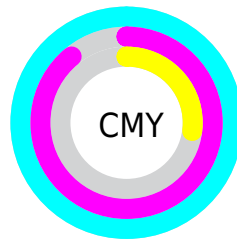
- Red (0%)
- Green (11%)
- Blue (73%)



- Red (0%)
- Yellow (9%)
- Blue (73%)



- Cyan (100%)
- Magenta (85%)
- Yellow (0%)
- Black (27%)





- Cyan (100%)
- Magenta (89%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 97.407, 303.907 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 25, 97.407, 303.907 by changing the saturation by 10% instead.

 25, 97.407,
303.907


 25, 97.407,
303.907

 100, 97.407,
303.907


 15, 97.407,
303.907


 45, 97.407,
303.907


 5, 97.407, 303.907

 55, 97.407,
303.907

 0, 97.407, 303.907

 65, 97.407,
303.907

 75, 97.407,
303.907

 85, 97.407,
303.907

 95, 97.407,

303.907

■ 25, 97.407,
303.907

■ 25, 97.407,
303.907

■ 25, 97.408,
303.910

■ 28, 88.864,
301.717

■ 32, 78.721,
299.065

■ 37, 67.980,
296.303

■ 42, 57.266,
293.656

■ 48, 46.846,
291.254

■ 53, 36.795,
289.141

■ 59, 27.112,
287.318

■ 65, 17.772,
285.757

■ 70, 8.746, 284.428

Harmonies

Complementary

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



25, 97.407, 303.907



66, 69.418, 92.104

Rectangle

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



25, 97.407, 303.907



25, 97.407, 353.907



25, 97.407, 123.907



25, 97.407, 173.907

Sweetspot

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



25, 97.408, 303.910



75, 33.490, 287.400



68, 46.253, 176.211



37, 23.206, 288.144



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



25, 97.408, 303.910



33, 119.658, 304.239



26, 101.934, 309.027



37, 4.989, 284.350



20, 85.234, 303.634



2, 15.577, 286.073

Inverse Universe

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



39, 76.137, 33.019



51, 93.311, 33.878



69, 82.242, 122.219



37, 4.169, 7.929



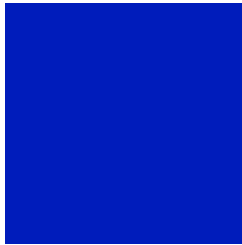
33, 66.778, 32.319



3, 12.414, 10.854

Previews

White Background



This preview shows how the CIE LCh color 25, 97.407, 303.907 looks on a white background.

Color Contrast Check

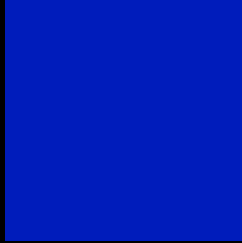
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 25, 97.407, 303.907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

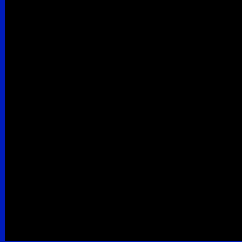
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 97.407, 303.907

Background



This preview shows how black text looks on a background with the CIELCh color 25, 97.407, 303.907.



This preview shows how white text looks on a background with the CIELCh color 25, 97.407, 303.907.

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

25, 97.407, 303.907

Protanopia

25, 42.376, 284.676

Deuteranopia

25, 29.452, 269.911



Tritanopia
25, 18.747, 202.649

Trichromacy



Original Color
25, 97.407, 303.907

Protanomaly
24, 64.447, 296.542

Deuteranomaly
24, 55.210, 293.144

Tritanomaly
23, 40.277, 284.866

Monochromacy



Original Color
25, 97.407, 303.907

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 40.200, 296.127

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 97.407, 303.907 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, 28, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 28, 187)  
}
```

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, 28, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 28, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 97.407, 303.907 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, 28, 187) }
```

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

```
.border{ border-color:rgb(0, 28, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 28, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 28, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 28, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 28, 187)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 97.407, 303.907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 28, 187) }
```

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

```
.background{ background-color: rgb(0, 28,  
187) }
```

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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