

Converting Colors

CIELCh(25, 112.254, 306.080)

Have a look what the booklet for
CIELCh(25, 112.254, 306.080)
contains.

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Color

CIELCh(25, 112.245, 306.078)

Conversions

Conversions Part 1

Format	Color
Hex	0004CC
RGB	0, 4, 204
RGB Percent	0%, 2%, 80%
CMY	1.0000, 0.9859, 0.2011
CMYK	1.00, 0.98, 0.00, 0.20
HSL	239°, 100%, 40%
HSV	239°, 100%, 80%
XYZ	10.8868, 4.4155, 57.2327
YIQ	25.6040, -66.5840, 61.3520

Conversions

Conversions Part 2

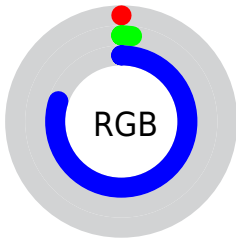
Format	Color
RYB	0, 4, 204
Decimal	1228
CIELab	25.00, 66.10, -90.72
CIELCh	25, 112.245, 306.078
Yxy	4.4155, 0.1501, 0.0609
Android (android.graphics.Color)	4278191308 (0xFF0004CC)
YUV	25.6040, 87.9492, -22.4547
Hunter-Lab	21.0130, 55.7078, -146.7776

Details

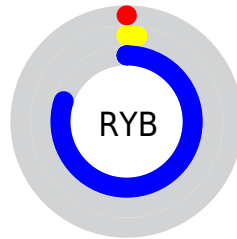
The CIELCh color **25, 112.245, 306.078** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **79, 80.752, 101.725**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **44, 108.642, 306.137**, and **16, 89.195, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 112.214, 306.098**, and if you desaturate by 10%, it is **27, 106.559, 305.117**.

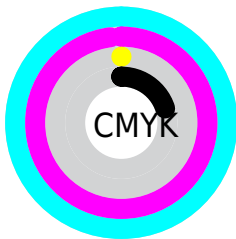
Distribution



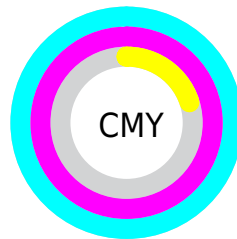
- Red (0%)
- Green (2%)
- Blue (80%)



- Red (0%)
- Yellow (2%)
- Blue (80%)



- Cyan (100%)
- Magenta (98%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (99%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 112.245, 306.078 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, 112.245, 306.078 by changing the saturation by 10% instead.


 25, 112.245,
306.078


 25, 112.245,
306.078


 100, 112.245,
306.078


 15, 112.245,
306.078


 45, 112.245,
306.078


 5, 112.245,
306.078


 55, 112.245,
306.078

 0, 112.245,
306.078

 65, 112.245,
306.078

 75, 112.245,
306.078

 85, 112.245,
306.078

 95, 112.245,

306.078

■ 25, 112.245,
306.078

■ 25, 112.245,
306.078

■ 25, 112.214,
306.098

■ 27, 106.559,
305.117

■ 31, 96.975,
303.417

■ 36, 84.844,
301.266

■ 42, 71.775,
298.992

■ 48, 58.689,
296.827

■ 55, 45.978,
294.882

■ 62, 33.761,
293.191

■ 68, 22.046,
291.744

■ 75, 10.808,
290.518

Harmonies

Complementary

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



25, 112.245, 306.078



79, 80.752, 101.725

Rectangle

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



25, 112.245, 306.078



25, 112.245, 356.078



25, 112.245, 126.078



25, 112.245, 176.078

Sweetspot

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



25, 112.214, 306.098



76, 40.541, 293.252



74, 43.458, 191.366



37, 27.910, 293.948



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



25, 112.214, 306.098



33, 133.122, 306.145



31, 106.200, 311.092



39, 6.130, 290.450



19, 96.073, 306.044



1, 23.240, 292.022

Inverse Universe

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



42, 87.524, 39.356



53, 103.876, 39.513



74, 91.209, 127.008



40, 4.368, 18.492



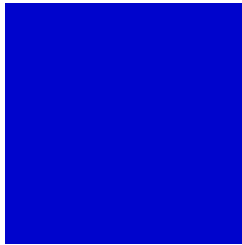
34, 74.827, 39.106



4, 17.916, 18.532

Previews

White Background



This preview shows how the CIE LCh color 25, 112.245, 306.078 looks on a white background.

Color Contrast Check

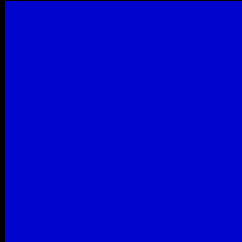
Large Text (above 18pt) WCAG AA ✓ Pass

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 25, 112.245, 306.078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

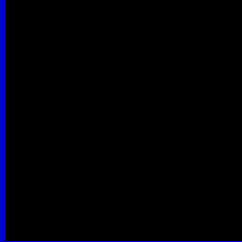
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 112.245, 306.078

Background



This preview shows how black text looks on a background with the CIELCh color 25, 112.245, 306.078.



This preview shows how white text looks on a background with the CIELCh color 25, 112.245,

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, 112.245, 306.078

Protanopia

26, 42.849, 284.367

Deuteranopia

26, 29.477, 268.969



Tritanopia
26, 19.125, 202.495

Trichromacy



Original Color
25, 112.245, 306.078

Protanomaly
23, 74.349, 300.035

Deuteranomaly
22, 65.546, 297.828

Tritanomaly
21, 50.233, 292.562

Monochromacy



Original Color
25, 112.245, 306.078

Achromatopsia
9, 0.002, 296.813

Achromatomaly
11, 51.353, 302.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 112.245, 306.078 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, 4, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 4, 204)  
}
```

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, 4, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 4, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 112.245, 306.078 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, 4, 204) }
```

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

```
.border{ border-color:rgb(0, 4, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 4, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 4, 204); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 4, 204); box-shadow:4px  
4px 4px 4px rgb(0, 4, 204) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 112.245, 306.078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 4, 204) }
```

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

```
.background{ background-color: rgb(0, 4,  
204) }
```

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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