

Converting Colors

CIELCh(22, 109.438, 302.853)

Have a look what the booklet for
CIELCh(22, 109.438, 302.853)
contains.

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Color

CIELCh(25, 105.845, 305.172)

Conversions

Conversions Part 1

Format	Color
Hex	0012C5
RGB	0, 18, 197
RGB Percent	0%, 7%, 77%
CMY	1.0000, 0.9313, 0.2291
CMYK	1.00, 0.91, 0.00, 0.23
HSL	235°, 100%, 39%
HSV	235°, 100%, 77%
XYZ	10.2114, 4.4155, 52.8825
YIQ	33.0240, -68.1870, 51.8530

Conversions

Conversions Part 2

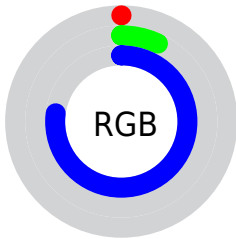
Format	Color
RYB	0, 16, 197
Decimal	4805
CIELab	25.00, 60.97, -86.52
CIELCh	25, 105.845, 305.172
Yxy	4.4155, 0.1513, 0.0654
Android (android.graphics.Color)	4278194885 (0xFF0012C5)
YUV	33.0240, 80.8402, -28.9620
Hunter-Lab	21.0130, 49.9702, -134.5032

Details

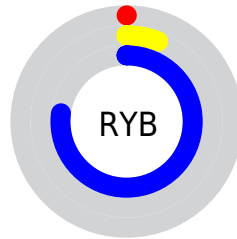
The CIELCh color **25, 105.845, 305.172** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **72, 74.765, 96.775**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 105.676, 305.208**, and **15, 86.098, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 105.803, 305.206**, and if you desaturate by 10%, it is **28, 98.213, 303.565**.

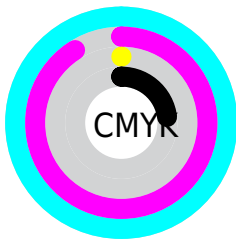
Distribution



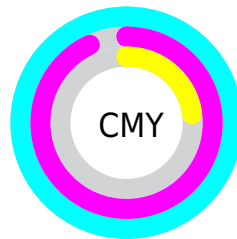
- Red (0%)
- Green (7%)
- Blue (77%)



- Red (0%)
- Yellow (6%)
- Blue (77%)



- Cyan (100%)
- Magenta (91%)
- Yellow (0%)
- Black (23%)





- Cyan (100%)
- Magenta (93%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 105.845, 305.172 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, 105.845, 305.172 by changing the saturation by 10% instead.


 25, 105.845,
305.172


 25, 105.845,
305.172


 100, 105.845,
305.172


 15, 105.845,
305.172


 45, 105.845,
305.172


 5, 105.845,
305.172


 55, 105.845,
305.172

 0, 105.845,
305.172

 65, 105.845,
305.172

 75, 105.845,
305.172

 85, 105.845,
305.172

 95, 105.845,

305.172

■ 25, 105.845,
305.172

■ 25, 105.845,
305.172

■ 25, 105.803,
305.206

■ 28, 98.213,
303.565

■ 32, 87.879,
301.311

■ 37, 76.215,
298.803

■ 43, 64.260,
296.314

■ 48, 52.522,
294.016

■ 55, 41.187,
291.980

■ 61, 30.290,
290.218

■ 67, 19.816,
288.712

■ 73, 9.732, 287.432

Harmonies

Complementary

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



25, 105.845, 305.172



72, 74.765, 96.775

Rectangle

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



25, 105.845, 305.172



25, 105.845, 355.172



25, 105.845, 125.172



25, 105.845, 175.172

Sweetspot

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



25, 105.803, 305.206



77, 37.449, 290.294



71, 45.276, 182.218



38, 25.763, 291.021



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, 105.803, 305.206



34, 129.675, 305.418



29, 104.823, 309.821



39, 5.566, 287.360



20, 91.490, 305.000



2, 20.162, 289.393

Inverse Universe

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



41, 82.230, 36.567



53, 100.799, 37.200



72, 86.823, 124.415



39, 4.301, 12.725



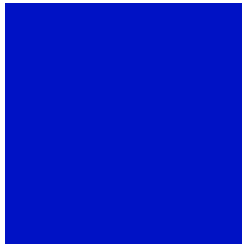
34, 71.120, 35.969



3, 15.954, 14.792

Previews

White Background



This preview shows how the CIE LCh color 25, 105.845, 305.172 looks on a white background.

Color Contrast Check

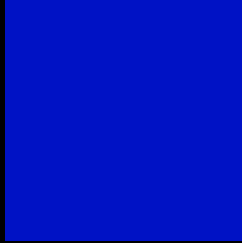
Large Text (above 18pt) WCAG AA ✓ Pass

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, 105.845, 305.172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

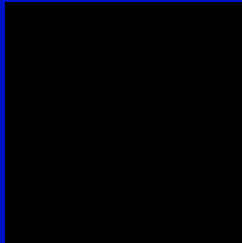
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 105.845, 305.172

Background



This preview shows how black text looks on a background with the CIELCh color 25, 105.845, 305.172.



This preview shows how white text looks on a background with the CIELCh color 25, 105.845, 305.172.

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, 105.845, 305.172

Protanopia

25, 42.312, 284.317

Deuteranopia

25, 28.927, 268.559



Tritanopia
26, 18.936, 202.571

Trichromacy



Original Color
25, 105.845, 305.172

Protanomaly
24, 68.809, 298.119

Deuteranomaly
23, 60.424, 295.708

Tritanomaly
22, 44.816, 288.609

Monochromacy



Original Color
25, 105.845, 305.172

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 45.453, 299.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 105.845, 305.172 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, 18, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 18, 197)  
}
```

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, 18, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 18, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 105.845, 305.172 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, 18, 197) }
```

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

```
.border{ border-color:rgb(0, 18, 197) }
```

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

Here you see how a box with a 4 pixel rgb(0, 18, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 18, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 18, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 18, 197)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 105.845, 305.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 18, 197) }
```

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

```
.background{ background-color: rgb(0, 18,  
197) }
```

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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