

Converting Colors

CIELCh(25, 110.177, 306.903)

Have a look what the booklet for
CIELCh(25, 110.177, 306.903)
contains.

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Color

CIELCh(25, 109.949, 306.897)

Conversions

Conversions Part 1

Format	Color
Hex	1F00C7
RGB	31, 0, 199
RGB Percent	12%, 0%, 78%
CMY	0.8783, 1.0000, 0.2196
CMYK	0.84, 1.00, 0.00, 0.22
HSL	249°, 100%, 39%
HSV	249°, 100%, 78%
XYZ	10.8749, 4.4155, 54.3156
YIQ	31.9550, -45.4030, 68.4610

Conversions

Conversions Part 2

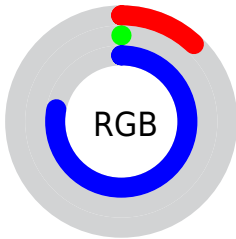
Format	Color
RYB	31, 0, 199
Decimal	2031815
CIELab	25.00, 66.01, -87.93
CIELCh	25, 109.949, 306.897
Yxy	4.4155, 0.1562, 0.0634
Android (android.graphics.Color)	4280221895 (0xFF1F00C7)
YUV	31.9550, 82.3532, -0.8375
Hunter-Lab	21.0130, 55.6067, -138.5468

Details

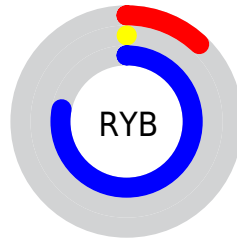
The CIELCh color **25, 109.949, 306.897** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **76, 81.745, 112.277**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 108.779, 306.942**, and **15, 86.986, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 109.951, 306.898**, and if you desaturate by 10%, it is **27, 104.324, 306.498**.

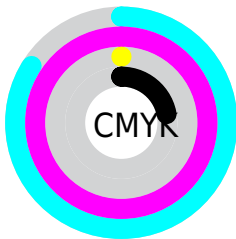
Distribution



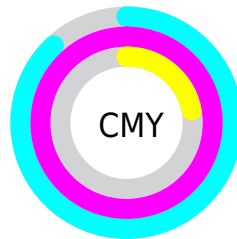
- Red (12%)
- Green (0%)
- Blue (78%)



- Red (12%)
- Yellow (0%)
- Blue (78%)



- Cyan (84%)
- Magenta (100%)
- Yellow (0%)
- Black (22%)





- Cyan (88%)
- Magenta (100%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 109.949, 306.897 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, 109.949, 306.897 by changing the saturation by 10% instead.


 25, 109.949,
306.897


 25, 109.949,
306.897


 100, 109.949,
306.897


 15, 109.949,
306.897


 45, 109.949,
306.897


 5, 109.949,
306.897


 55, 109.949,
306.897

 0, 109.949,
306.897

 65, 109.949,
306.897

 75, 109.949,
306.897

 85, 109.949,
306.897

 95, 109.949,

306.897

■ 25, 109.949,
306.897

■ 25, 109.949,
306.897

■ 25, 109.951,
306.898

■ 27, 104.324,
306.498

■ 31, 95.400,
305.625

■ 36, 83.980,
304.353

■ 42, 71.446,
302.923

■ 48, 58.672,
301.501

■ 54, 46.098,
300.180

■ 61, 33.909,
298.997

■ 67, 22.165,
297.960

■ 74, 10.871,
297.062

Harmonies

Complementary

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



25, 109.949, 306.897



76, 81.745, 112.277

Rectangle

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



25, 109.949, 306.897



25, 109.949, 356.897



25, 109.949, 126.897



25, 109.949, 176.897

Sweetspot

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



25, 109.951, 306.898



76, 41.505, 299.046



64, 36.160, 224.825



37, 28.555, 299.537



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, 109.951, 306.898



33, 132.677, 306.821



36, 100.350, 315.782



38, 6.155, 297.011



19, 94.782, 306.979



1, 21.615, 295.850

Inverse Universe

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



46, 84.838, 335.633



58, 102.072, 335.762



71, 94.667, 132.220



39, 6.629, 329.568



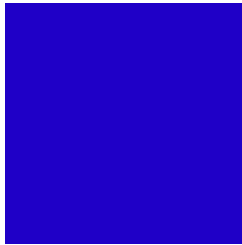
37, 73.350, 335.509



4, 23.345, 332.936

Previews

White Background



This preview shows how the CIELCh color 25, 109.949, 306.897 looks on a white background.

Color Contrast Check

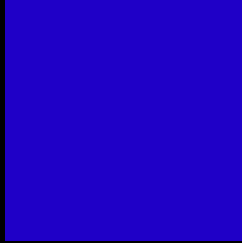
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109.949, 306.897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

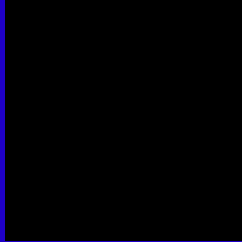
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 109.949, 306.897

Background



This preview shows how black text looks on a background with the CIELCh color 25, 109.949, 306.897.



This preview shows how white text looks on a background with the CIELCh color 25, 109.949, 306.897.

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, 109.949, 306.897

Protanopia

26, 43.515, 285.111

Deuteranopia

26, 29.477, 268.969



Tritanopia
26, 18.834, 204.688

Trichromacy



Original Color
25, 109.949, 306.897

Protanomaly
23, 73.710, 300.562

Deuteranomaly
22, 64.919, 298.492

Tritanomaly
20, 50.301, 294.159

Monochromacy



Original Color
25, 109.949, 306.897

Achromatopsia
12, 0.003, 296.813

Achromatomaly
13, 50.471, 304.913

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 109.949, 306.897 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(31, 0, 199)` looks like.

```
.text, #text, p{  
    color:rgb(31, 0, 199)  
}
```

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(31, 0, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 0, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 109.949, 306.897 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(31, 0, 199) }
```

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

```
.border{ border-color:rgb(31, 0, 199) }
```

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

Here you see how a box with a 4 pixel rgb(31, 0, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 0, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 0, 199);  
box-shadow:4px 4px 4px 4px rgb(31, 0, 199)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 109.949, 306.897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 0, 199) }
```

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

```
.background{ background-color: rgb(31, 0,  
199) }
```

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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