

Converting Colors

CIELCh(25, 109.018, 306.491)

Have a look what the booklet for
CIELCh(25, 109.018, 306.491)
contains.

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Color

CIELCh(25, 109.130, 306.484)

Conversions

Conversions Part 1

Format	Color
Hex	1905C7
RGB	25, 5, 199
RGB Percent	10%, 2%, 78%
CMY	0.9014, 0.9822, 0.2209
CMYK	0.87, 0.98, 0.00, 0.22
HSL	246°, 96%, 40%
HSV	246°, 98%, 78%
XYZ	10.7248, 4.4155, 54.1258
YIQ	33.0960, -50.3540, 64.5740

Conversions

Conversions Part 2

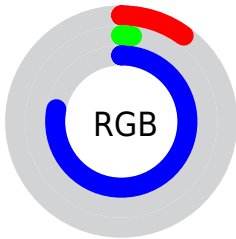
Format	Color
R _Y B	25, 5, 199
Decimal	1639879
CIE Lab	25.00, 64.89, -87.74
CIE LCh	25, 109.130, 306.484
Yxy	4.4155, 0.1548, 0.0637
Android (android.graphics.Color)	4279829959 (0xFF1905C7)
YUV	33.0960, 81.7907, -7.1002
Hunter-Lab	21.0130, 54.3311, -138.0113

Details

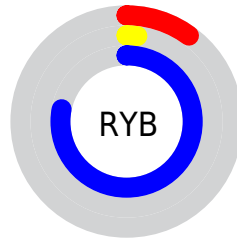
The CIELCh color **25, 109.130, 306.484** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **76, 80.479, 109.283**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 107.952, 306.415**, and **15, 86.986, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 110.288, 306.624**, and if you desaturate by 10%, it is **28, 102.981, 305.847**.

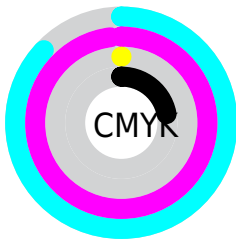
Distribution



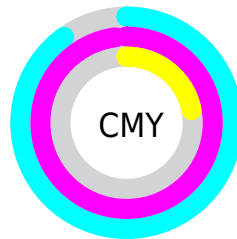
- Red (10%)
- Green (2%)
- Blue (78%)



- Red (10%)
- Yellow (2%)
- Blue (78%)



- Cyan (87%)
- Magenta (98%)
- Yellow (0%)
- Black (22%)





- Cyan (90%)
- Magenta (98%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 109.130, 306.484 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, 109.130, 306.484 by changing the saturation by 10% instead.

 25, 109.130,
306.484


 25, 109.130,
306.484

 100, 109.130,
306.484


 15, 109.130,
306.484


 45, 109.130,
306.484


 5, 109.130,
306.484


 55, 109.130,
306.484

 0, 109.130,
306.484

 65, 109.130,
306.484

 75, 109.130,
306.484

 85, 109.130,
306.484

 95, 109.130,

306.484

■ 25, 109.130,
306.484

■ 25, 109.130,
306.484

■ 25, 110.288,
306.624

■ 28, 102.981,
305.847

■ 32, 93.229,
304.638

■ 37, 81.281,
303.073

■ 43, 68.502,
301.407

■ 49, 55.673,
299.804

■ 55, 43.154,
298.346

■ 62, 31.075,
297.062

■ 69, 19.467,
295.948

■ 75, 8.318, 294.993

Harmonies

Complementary

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



25, 109.130, 306.484



76, 80.479, 109.283

Rectangle

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



25, 109.130, 306.484



25, 109.130, 356.484



25, 109.130, 126.484



25, 109.130, 176.484

Sweetspot

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



25, 109.132, 306.485



77, 39.951, 297.269



67, 36.904, 213.905



37, 27.656, 297.816



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, 109.132, 306.485



33, 133.209, 306.567



35, 100.408, 314.493



38, 6.135, 295.142



19, 95.215, 306.685



1, 21.570, 294.544

Inverse Universe

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



46, 87.809, 332.874



59, 106.165, 333.069



71, 92.496, 130.848



39, 6.864, 327.974



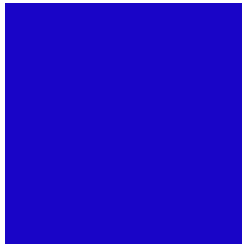
38, 76.210, 332.915



4, 24.397, 330.817

Previews

White Background



This preview shows how the CIE LCh color 25, 109.130, 306.484 looks on a white background.

Color Contrast Check

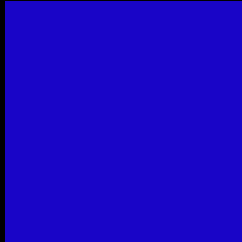
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109.130, 306.484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

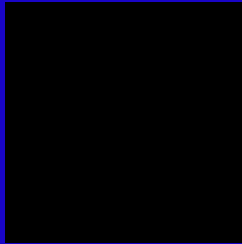
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 109.130, 306.484

Background



This preview shows how black text looks on a background with the CIELCh color 25, 109.130, 306.484.



This preview shows how white text looks on a background with the CIELCh color 25, 109.130,

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, 109.175, 306.456

Protanopia

26, 42.913, 284.720

Deuteranopia

25, 29.463, 269.438



Tritanopia
26, 18.936, 202.571

Trichromacy



Original Color
25, 109.175, 306.456

Protanomaly
23, 72.545, 300.125

Deuteranomaly
22, 63.679, 297.911

Tritanomaly
21, 48.266, 292.637

Monochromacy



Original Color
25, 109.175, 306.456

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 48.591, 303.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 109.130, 306.484 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(25, 5, 199)` looks like.

```
.text, #text, p{  
    color:rgb(25, 5, 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(25, 5, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 5, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 109.130, 306.484 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(25, 5, 199) }
```

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

```
.border{ border-color:rgb(25, 5, 199) }
```

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

Here you see how a box with a 4 pixel rgb(25, 5, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 5, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 5, 199);  
box-shadow:4px 4px 4px 4px rgb(25, 5, 199)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 109.130, 306.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 5, 199) }
```

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

```
.background{ background-color: rgb(25, 5,  
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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