

Converting Colors

CIELCh(25, 105.753, 307.199)

Have a look what the booklet for
CIELCh(25, 105.753, 307.199)
contains.

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Color

CIELCh(25, 105.809, 307.181)

Conversions

Conversions Part 1

Format	Color
Hex	2A04C1
RGB	42, 4, 193
RGB Percent	16%, 2%, 76%
CMY	0.8361, 0.9851, 0.2436
CMYK	0.78, 0.98, 0.00, 0.24
HSL	252°, 96%, 39%
HSV	252°, 98%, 76%
XYZ	10.5995, 4.4155, 50.6744
YIQ	36.9080, -38.0210, 66.8350

Conversions

Conversions Part 2

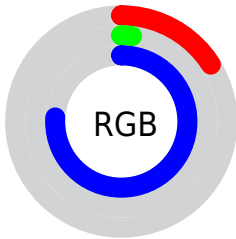
Format	Color
R _Y B	42, 4, 193
Decimal	2753729
CIE Lab	25.00, 63.94, -84.30
CIE LCh	25, 105.809, 307.181
Yxy	4.4155, 0.1614, 0.0672
Android (android.graphics.Color)	4280943809 (0xFF2A04C1)
YUV	36.9080, 76.9534, 4.4657
Hunter-Lab	21.0130, 53.2669, -128.2729

Details

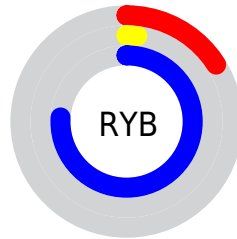
The CIELCh color **25, 105.809, 307.181** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **73, 80.172, 114.657**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 105.698, 307.111**, and **15, 84.763, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 106.853, 307.246**, and if you desaturate by 10%, it is **28, 99.790, 306.886**.

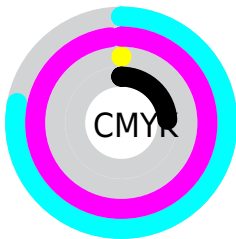
Distribution



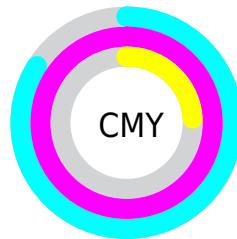
- Red (16%)
- Green (2%)
- Blue (76%)



- Red (16%)
- Yellow (2%)
- Blue (76%)



- Cyan (78%)
- Magenta (98%)
- Yellow (0%)
- Black (24%)





- Cyan (84%)
- Magenta (99%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 105.809, 307.181 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, 105.809, 307.181 by changing the saturation by 10% instead.


 25, 105.809,
307.181


 25, 105.809,
307.181


 100, 105.809,
307.181


 15, 105.809,
307.181


 45, 105.809,
307.181


 5, 105.809,
307.181


 55, 105.809,
307.181

 0, 105.809,
307.181

 65, 105.809,
307.181

 75, 105.809,
307.181

 85, 105.809,
307.181

 95, 105.809,

307.181

■ 25, 105.809,
307.181

■ 25, 105.809,
307.181

■ 25, 106.853,
307.246

■ 28, 99.790,
306.886

■ 32, 90.591,
306.100

■ 37, 79.314,
304.980

■ 42, 67.137,
303.732

■ 48, 54.788,
302.493

■ 54, 42.636,
301.339

■ 61, 30.842,
300.301

■ 67, 19.463,
299.385

■ 73, 8.505, 298.588

Harmonies

Complementary

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



25, 105.809, 307.181



73, 80.172, 114.657

Rectangle

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



25, 105.809, 307.181



25, 105.809, 357.181



25, 105.809, 127.181



25, 105.809, 177.181

Sweetspot

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



25, 105.811, 307.182



76, 39.495, 300.442



59, 35.452, 234.967



37, 27.315, 300.881



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



25, 105.811, 307.182



33, 130.021, 307.143



36, 96.448, 317.447



38, 6.047, 298.689



20, 93.189, 307.338



1, 19.610, 296.549

Inverse Universe

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



44, 79.963, 338.035



57, 97.123, 338.441



69, 92.906, 133.077



38, 6.285, 331.109



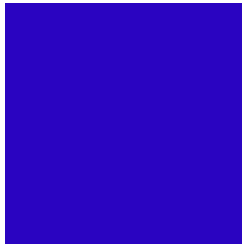
36, 70.115, 338.083



4, 20.014, 334.596

Previews

White Background



This preview shows how the CIELCh color 25, 105.809, 307.181 looks on a white background.

Color Contrast Check

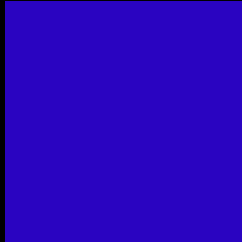
Large Text (above 18pt) WCAG AA ✓ Pass

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, 105.809, 307.181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

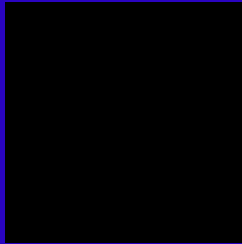
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 105.809, 307.181

Background



This preview shows how black text looks on a background with the CIELCh color 25, 105.809, 307.181.



This preview shows how white text looks on a background with the CIELCh color 25, 105.809, 307.181.

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, 105.809, 307.181

Protanopia

26, 42.913, 284.720

Deuteranopia

25, 29.463, 269.438



Tritanopia
26, 18.936, 202.571

Trichromacy



Original Color
25, 105.809, 307.181

Protanomaly
23, 71.327, 300.226

Deuteranomaly
22, 63.106, 298.388

Tritanomaly
21, 46.942, 292.788

Monochromacy



Original Color
25, 105.809, 307.181

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 47.502, 305.082

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 105.809, 307.181 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(42, 4, 193)` looks like.

```
.text, #text, p{  
    color:rgb(42, 4, 193)  
}
```

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(42, 4, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 4, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 105.809, 307.181 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(42, 4, 193) }
```

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

```
.border{ border-color:rgb(42, 4, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 4, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 4, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 4, 193);  
box-shadow:4px 4px 4px 4px rgb(42, 4, 193)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 105.809, 307.181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 4, 193) }
```

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

```
.background{ background-color: rgb(42, 4,  
193) }
```

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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