

Converting Colors

CIELCh(25, 93.314, 310.937)

Have a look what the booklet for
CIELCh(25, 93.314, 310.937)
contains.

CIELCh(25, 93.074, 310.829)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(25, 93.074, 310.829)

Conversions

Conversions Part 1

Format	Color
Hex	4C00AA
RGB	76, 0, 170
RGB Percent	30%, 0%, 67%
CMY	0.7028, 1.0000, 0.3341
CMYK	0.55, 1.00, 0.00, 0.33
HSL	267°, 100%, 33%
HSV	267°, 100%, 67%
XYZ	10.1962, 4.4155, 38.2467
YIQ	42.1040, -9.2740, 68.9820

Conversions

Conversions Part 2

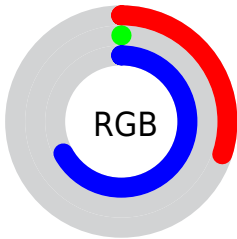
Format	Color
RYB	76, 0, 170
Decimal	4980906
CIELab	25.00, 60.85, -70.43
CIElCh	25, 93.074, 310.829
Yxy	4.4155, 0.1929, 0.0835
Android (android.graphics.Color)	4283170986 (0xFF4C00AA)
YUV	42.1040, 63.0527, 29.7268
Hunter-Lab	21.0130, 49.8410, -93.2070

Details

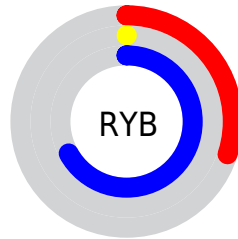
The CIELCh color **25, 93.074, 310.829** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **63, 78.964, 126.051**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 93.487, 310.850**, and **11, 74.799, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 93.008, 310.814**, and if you desaturate by 10%, it is **27, 88.243, 311.168**.

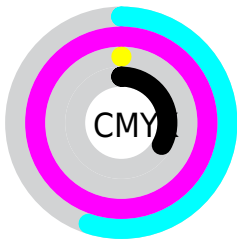
Distribution



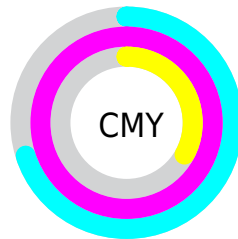
- Red (30%)
- Green (0%)
- Blue (67%)



- Red (30%)
- Yellow (0%)
- Blue (67%)



- Cyan (55%)
- Magenta (100%)
- Yellow (0%)
- Black (33%)





- Cyan (70%)
- Magenta (100%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 93.074, 310.829 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, 93.074, 310.829 by changing the saturation by 10% instead.

 25, 93.074,
310.829


 25, 93.074,
310.829

 100, 93.074,
310.829


 15, 93.074,
310.829


 45, 93.074,
310.829


 5, 93.074, 310.829

 55, 93.074,
310.829

 0, 93.074, 310.829

 65, 93.074,
310.829

 75, 93.074,
310.829

 85, 93.074,
310.829

 95, 93.074,

310.829

■ 25, 93.074,
310.829

■ 25, 93.074,
310.829

■ 25, 93.008,
310.814

■ 27, 88.243,
311.168

■ 31, 81.439,
311.225

■ 34, 72.655,
310.958

■ 39, 62.664,
310.489

■ 44, 52.083,
309.918

■ 49, 41.323,
309.314

■ 54, 30.630,
308.717

■ 59, 20.141,
308.152

■ 64, 9.923, 307.629

Harmonies

Complementary

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



25, 93.074, 310.829



63, 78.964, 126.051

Rectangle

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



25, 93.074, 310.829



25, 93.074, 0.829



25, 93.074, 130.829



25, 93.074, 180.829

Sweetspot

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



25, 93.008, 310.814



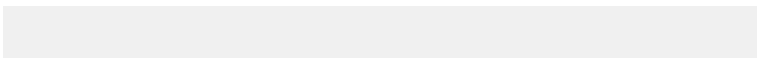
69, 38.099, 308.749



40, 46.244, 276.373



34, 26.336, 308.991



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



25, 93.008, 310.814



34, 113.777, 310.613



38, 85.541, 325.643



33, 5.569, 307.593



21, 83.923, 310.940



1, 9.919, 304.919

Inverse Universe

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



37, 63.365, 356.746



48, 77.153, 357.482



61, 87.950, 135.709



33, 4.699, 341.545



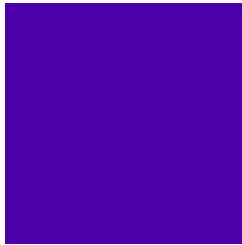
32, 57.345, 356.298



2, 8.057, 344.823

Previews

White Background



This preview shows how the CIE LCh color 25, 93.074, 310.829 looks on a white background.

Color Contrast Check

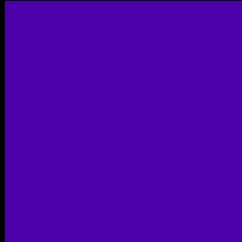
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.074, 310.829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

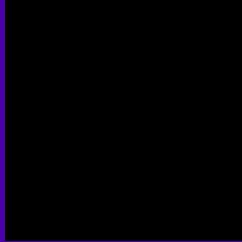
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 93.074, 310.829

Background



This preview shows how black text looks on a background with the CIELCh color 25, 93.074, 310.829.



This preview shows how white text looks on a background with the CIELCh color 25, 93.074, 310.829.

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, 93.074, 310.829

Protanopia

26, 43.449, 284.763

Deuteranopia

26, 30.555, 270.648



Tritanopia
26, 10.117, 216.982

Trichromacy



Original Color
25, 93.074, 310.829

Protanomaly
22, 67.700, 300.936

Deuteranomaly
22, 58.699, 298.881

Tritanomaly
22, 43.394, 303.271

Monochromacy



Original Color
25, 93.074, 310.829

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 42.142, 310.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 93.074, 310.829 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(76, 0, 170)` looks like.

```
.text, #text, p{  
    color:rgb(76, 0, 170)  
}
```

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(76, 0, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 0, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 93.074, 310.829 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(76, 0, 170) }
```

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

```
.border{ border-color:rgb(76, 0, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 0, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 0, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 0, 170);  
box-shadow:4px 4px 4px 4px rgb(76, 0, 170)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 93.074, 310.829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 0, 170) }
```

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

```
.background{ background-color: rgb(76, 0,  
170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor