

Converting Colors

CIELCh(25, 90.935, 311.276)

Have a look what the booklet for
CIELCh(25, 90.935, 311.276)
contains.

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Color

CIELCh(25, 90.773, 311.273)

Conversions

Conversions Part 1

Format	Color
Hex	4E01A6
RGB	78, 1, 166
RGB Percent	31%, 0%, 65%
CMY	0.6933, 0.9950, 0.3483
CMYK	0.53, 0.99, 0.00, 0.35
HSL	268°, 98%, 33%
HSV	268°, 99%, 65%
XYZ	10.0713, 4.4155, 36.4832
YIQ	42.8330, -7.0730, 67.6390

Conversions

Conversions Part 2

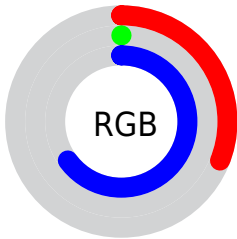
Format	Color
R_{YB}	78, 1, 166
Decimal	5112230
CIE _{Lab}	25.00, 59.88, -68.22
CIE _{LCh}	25, 90.773, 311.273
Yxy	4.4155, 0.1976, 0.0866
Android (android.graphics.Color)	4283302310 (0xFF4E01A6)
YUV	42.8330, 60.7213, 30.8415
Hunter-Lab	21.0130, 48.7801, -88.2312

Details

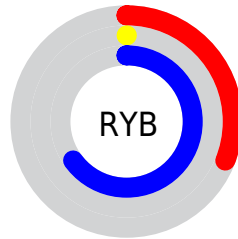
The CIELCh color **25, 90.773, 311.273** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **61, 77.967, 126.696**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 90.483, 311.248**, and **11, 73.415, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 91.131, 311.252**, and if you desaturate by 10%, it is **27, 86.060, 311.649**.

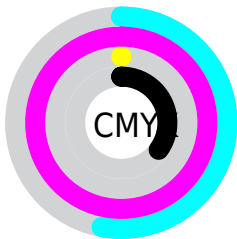
Distribution



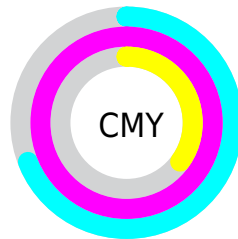
- Red (31%)
- Green (0%)
- Blue (65%)



- Red (31%)
- Yellow (0%)
- Blue (65%)



- Cyan (53%)
- Magenta (99%)
- Yellow (0%)
- Black (35%)





- Cyan (69%)
- Magenta (100%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 90.773, 311.273 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, 90.773, 311.273 by changing the saturation by 10% instead.

 25, 90.773,
311.273


 25, 90.773,
311.273

 100, 90.773,
311.273


 15, 90.773,
311.273


 45, 90.773,
311.273

 5, 90.773, 311.273

 55, 90.773,
311.273

 0, 90.773, 311.273

 65, 90.773,
311.273

 75, 90.773,
311.273

 85, 90.773,
311.273

 95, 90.773,

311.273

■ 25, 90.773,
311.273

■ 25, 90.773,
311.273

■ 25, 91.131,
311.252

■ 27, 86.060,
311.649

■ 30, 79.286,
311.713

■ 34, 70.630,
311.468

■ 39, 60.822,
311.029

■ 43, 50.443,
310.491

■ 48, 39.885,
309.916

■ 53, 29.385,
309.346

■ 58, 19.078,
308.805

■ 63, 9.030, 308.300

Harmonies

Complementary

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



25, 90.773, 311.273



61, 77.967, 126.696

Rectangle

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



25, 90.773, 311.273



25, 90.773, 1.273



25, 90.773, 131.273



25, 90.773, 181.273

Sweetspot

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



25, 90.774, 311.274



68, 37.492, 309.420



39, 46.670, 277.961



33, 25.908, 309.650



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



25, 90.774, 311.274



34, 111.304, 311.045



38, 83.921, 326.291



33, 5.591, 308.303



22, 83.568, 311.360



1, 9.951, 305.554

Inverse Universe

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



36, 61.903, 358.261



47, 75.400, 359.312



59, 86.454, 135.817



33, 4.634, 342.584



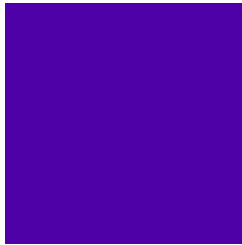
31, 56.987, 358.112



2, 7.956, 345.863

Previews

White Background



This preview shows how the CIELCh color 25, 90.773, 311.273 looks on a white background.

Color Contrast Check

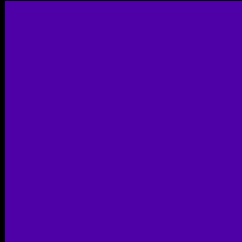
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.773, 311.273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

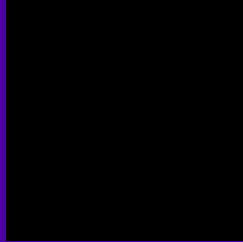
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 90.773, 311.273

Background



This preview shows how black text looks on a background with the CIELCh color 25, 90.773, 311.273.



This preview shows how white text looks on a background with the CIELCh color 25, 90.773, 311.273.

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

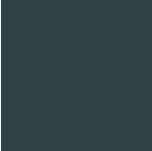
25, 90.773, 311.273

Protanopia

26, 43.449, 284.763

Deuteranopia

26, 30.014, 269.823



Tritanopia
26, 7.522, 224.341

Trichromacy



Original Color
25, 90.773, 311.273

Protanomaly
22, 66.479, 300.563

Deuteranomaly
22, 58.102, 298.773

Tritanomaly
22, 42.143, 305.384

Monochromacy



Original Color
25, 90.773, 311.273

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 41.471, 311.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 90.773, 311.273 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(78, 1, 166)` looks like.

```
.text, #text, p{  
    color:rgb(78, 1, 166)  
}
```

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(78, 1, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 1, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 90.773, 311.273 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(78, 1, 166) }
```

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

```
.border{ border-color:rgb(78, 1, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 1, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 1, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 1, 166);  
box-shadow:4px 4px 4px 4px rgb(78, 1, 166)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 90.773, 311.273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 1, 166) }
```

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

```
.background{ background-color: rgb(78, 1,  
166) }
```

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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