

Converting Colors

CIELCh(25, 100.572, 308.715)

Have a look what the booklet for
CIELCh(25, 100.572, 308.715)
contains.

CIELCh(25, 100.395, 308.740)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(25, 100.395, 308.740)

Conversions

Conversions Part 1

Format	Color
Hex	3D01B7
RGB	61, 1, 183
RGB Percent	24%, 0%, 72%
CMY	0.7615, 0.9970, 0.2829
CMYK	0.67, 1.00, 0.00, 0.28
HSL	260°, 99%, 36%
HSV	260°, 100%, 72%
XYZ	10.4524, 4.4155, 45.0198
YIQ	39.6880, -22.6620, 69.3220

Conversions

Conversions Part 2

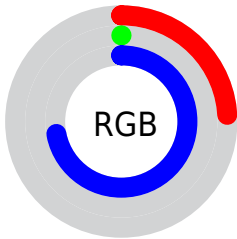
Format	Color
R _Y B	61, 1, 183
Decimal	3998135
CIE Lab	25.00, 62.83, -78.31
CIE LCh	25, 100.395, 308.740
Yxy	4.4155, 0.1745, 0.0737
Android (android.graphics.Color)	4282188215 (0xFF3D01B7)
YUV	39.6880, 70.6528, 18.6906
Hunter-Lab	21.0130, 52.0177, -112.3180

Details

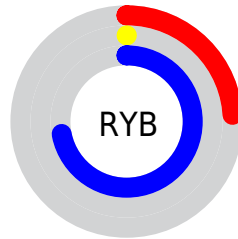
The CIELCh color **25, 100.395, 308.740** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **68, 80.232, 121.234**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 100.306, 308.743**, and **13, 80.272, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 100.617, 308.740**, and if you desaturate by 10%, it is **28, 95.031, 308.858**.

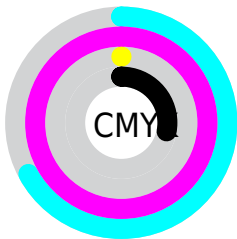
Distribution



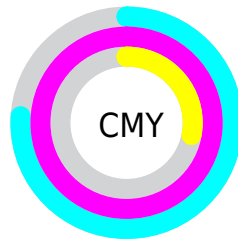
- Red (24%)
- Green (0%)
- Blue (72%)



- Red (24%)
- Yellow (0%)
- Blue (72%)



- Cyan (67%)
- Magenta (100%)
- Yellow (0%)
- Black (28%)





- Cyan (76%)
- Magenta (100%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 100.395, 308.740 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, 100.395, 308.740 by changing the saturation by 10% instead.


 25, 100.395,
308.740


 25, 100.395,
308.740


 100, 100.395,
308.740


 15, 100.395,
308.740


 45, 100.395,
308.740


 5, 100.395,
308.740


 55, 100.395,
308.740

 0, 100.395,
308.740

 65, 100.395,
308.740

 75, 100.395,
308.740

 85, 100.395,
308.740

 95, 100.395,

308.740

■ 25, 100.395,
308.740

■ 25, 100.395,
308.740

■ 25, 100.617,
308.740

■ 28, 95.031,
308.858

■ 31, 87.132,
308.605

■ 36, 77.137,
308.009

■ 41, 66.024,
307.233

■ 46, 54.489,
306.393

■ 52, 42.943,
305.565

■ 57, 31.603,
304.787

■ 63, 20.574,
304.078

■ 69, 9.896, 303.443

Harmonies

Complementary

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



25, 100.395, 308.740



68, 80.232, 121.234

Rectangle

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



25, 100.395, 308.740



25, 100.395, 358.740



25, 100.395, 128.740



25, 100.395, 178.740

Sweetspot

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



25, 100.396, 308.741



72, 39.657, 304.856



50, 39.082, 258.920



36, 27.456, 305.177



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



25, 100.396, 308.741



33, 122.508, 308.583



38, 91.408, 321.315



36, 5.872, 303.429



20, 89.155, 308.861



1, 15.631, 299.747

Inverse Universe

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



40, 70.588, 347.025



52, 85.537, 347.541



65, 91.701, 134.832



36, 5.482, 336.126



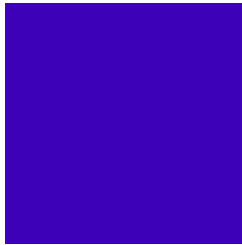
34, 62.820, 346.800



3, 13.724, 340.990

Previews

White Background



This preview shows how the CIE LCh color 25, 100.395, 308.740 looks on a white background.

Color Contrast Check

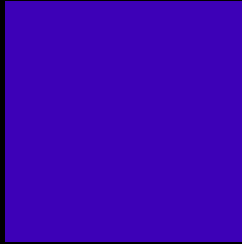
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.395, 308.740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

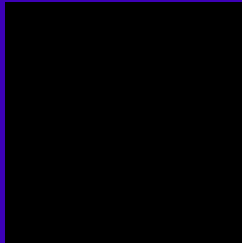
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 100.395, 308.740

Background



This preview shows how black text looks on a background with the CIELCh color 25, 100.395, 308.740.



This preview shows how white text looks on a background with the CIELCh color 25, 100.395,

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, 100.395, 308.740

Protanopia

26, 42.849, 284.367

Deuteranopia

26, 29.477, 268.969



Tritanopia
26, 19.022, 204.586

Trichromacy



Original Color
25, 100.395, 308.740

Protanomaly
22, 70.129, 300.716

Deuteranomaly
22, 61.209, 298.631

Tritanomaly
21, 46.294, 293.953

Monochromacy



Original Color
25, 100.395, 308.740

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 45.403, 307.960

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 100.395, 308.740 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(61, 1, 183)` looks like.

```
.text, #text, p{  
    color:rgb(61, 1, 183)  
}
```

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(61, 1, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 1, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 100.395, 308.740 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(61, 1, 183) }
```

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

```
.border{ border-color:rgb(61, 1, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 1, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 1, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 1, 183);  
box-shadow:4px 4px 4px 4px rgb(61, 1, 183)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 100.395, 308.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 1, 183) }
```

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

```
.background{ background-color: rgb(61, 1,  
183) }
```

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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