

Converting Colors

CIELCh(25, 99.216, 309.282)

Have a look what the booklet for
CIELCh(25, 99.216, 309.282)
contains.

CIELCh(25, 98.852, 309.228)	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, 98.852, 309.228)

Conversions

Conversions Part 1

Format	Color
Hex	4100B4
RGB	65, 0, 180
RGB Percent	25%, 0%, 71%
CMY	0.7452, 1.0000, 0.2942
CMYK	0.64, 1.00, 0.00, 0.29
HSL	262°, 100%, 35%
HSV	262°, 100%, 71%
XYZ	10.4118, 4.4155, 43.4670
YIQ	39.9550, -19.0400, 69.7600

Conversions

Conversions Part 2

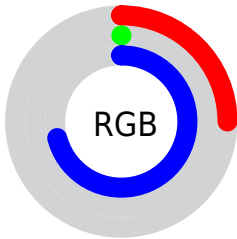
Format	Color
RYB	65, 0, 180
Decimal	4260020
CIELab	25.00, 62.51, -76.57
CIELCh	25, 98.852, 309.228
Yxy	4.4155, 0.1786, 0.0757
Android (android.graphics.Color)	4282450100 (0xFF4100B4)
YUV	39.9550, 69.0422, 21.9645
Hunter-Lab	21.0130, 51.6722, -107.9364

Details

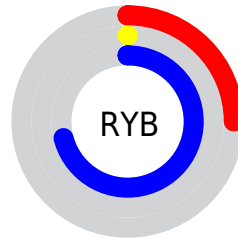
The CIELCh color **25, 98.852, 309.228** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **67, 80.201, 122.662**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 98.696, 309.271**, and **13, 79.367, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 98.842, 309.226**, and if you desaturate by 10%, it is **28, 93.656, 309.421**.

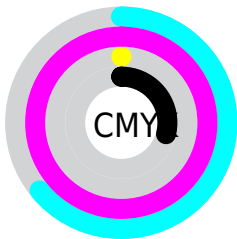
Distribution



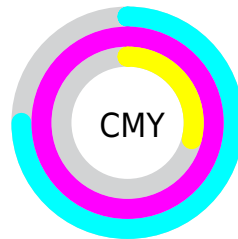
- Red (25%)
- Green (0%)
- Blue (71%)



- Red (25%)
- Yellow (0%)
- Blue (71%)



- Cyan (64%)
- Magenta (100%)
- Yellow (0%)
- Black (29%)




- Cyan (75%)
- Magenta (100%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 98.852, 309.228 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, 98.852, 309.228 by changing the saturation by 10% instead.

 25, 98.852,
309.228

 25, 98.852,
309.228

 100, 98.852,
309.228

 15, 98.852,
309.228


 45, 98.852,
309.228


 5, 98.852, 309.228

 55, 98.852,
309.228

 0, 98.852, 309.228

 65, 98.852,
309.228

 75, 98.852,
309.228

 85, 98.852,
309.228

 95, 98.852,

309.228

■ 25, 98.852,
309.228

■ 25, 98.852,
309.228

■ 25, 98.842,
309.226

■ 28, 93.656,
309.421

■ 31, 86.111,
309.277

■ 35, 76.467,
308.791

■ 40, 65.651,
308.111

■ 45, 54.347,
307.354

■ 51, 42.978,
306.592

■ 56, 31.773,
305.867

■ 62, 20.849,
305.200

■ 68, 10.256,
304.598

Harmonies

Complementary

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



25, 98.852, 309.228



67, 80.201, 122.662

Rectangle

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



25, 98.852, 309.228



25, 98.852, 359.228



25, 98.852, 129.228



25, 98.852, 179.228

Sweetspot

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



25, 98.842, 309.226



72, 39.444, 305.903



47, 41.078, 264.737



35, 27.055, 306.199



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



25, 98.842, 309.226



34, 120.796, 309.055



38, 90.053, 322.507



35, 5.763, 304.559



21, 87.551, 309.356



1, 13.593, 300.999

Inverse Universe

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



39, 68.594, 349.567



52, 83.384, 350.072



64, 91.139, 135.158



35, 5.238, 337.491



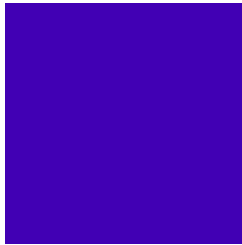
33, 61.000, 349.199



2, 11.629, 342.104

Previews

White Background



This preview shows how the CIELCh color 25, 98.852, 309.228 looks on a white background.

Color Contrast Check

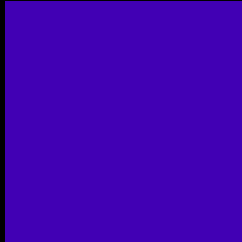
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.852, 309.228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

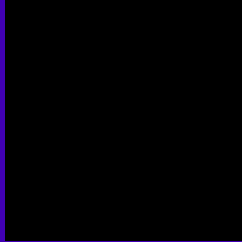
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 98.852, 309.228

Background



This preview shows how black text looks on a background with the CIELCh color 25, 98.852, 309.228.



This preview shows how white text looks on a background with the CIELCh color 25, 98.852, 309.228.

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, 98.852, 309.228

Protanopia

26, 43.449, 284.763

Deuteranopia

26, 30.014, 269.823



Tritanopia
26, 18.941, 206.697

Trichromacy



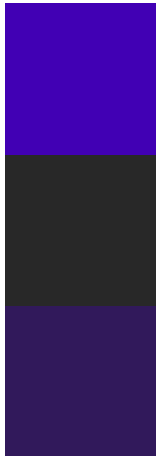
Original Color
25, 98.852, 309.228

Protanomaly
22, 70.079, 300.870

Deuteranomaly
22, 61.165, 298.836

Tritanomaly
21, 46.256, 294.309

Monochromacy



Original Color
25, 98.852, 309.228

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 45.347, 308.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 98.852, 309.228 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(65, 0, 180)` looks like.

```
.text, #text, p{  
    color:rgb(65, 0, 180)  
}
```

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(65, 0, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 0, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 98.852, 309.228 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(65, 0, 180) }
```

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

```
.border{ border-color:rgb(65, 0, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 0, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 0, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 0, 180);  
box-shadow:4px 4px 4px 4px rgb(65, 0, 180)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 98.852, 309.228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 0, 180) }
```

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

```
.background{ background-color: rgb(65, 0,  
180) }
```

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