

Converting Colors

CIELCh(25, 100.520, 308.325)

Have a look what the booklet for
CIELCh(25, 100.520, 308.325)
contains.

CIELCh(25, 100.489, 308.322)	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, 100.489, 308.322)

Conversions

Conversions Part 1

Format	Color
Hex	3A04B8
RGB	58, 4, 184
RGB Percent	23%, 2%, 72%
CMY	0.7740, 0.9860, 0.2795
CMYK	0.69, 0.98, 0.00, 0.28
HSL	258°, 96%, 37%
HSV	258°, 98%, 72%
XYZ	10.3852, 4.4155, 45.5020
YIQ	40.6660, -25.5960, 67.4280

Conversions

Conversions Part 2

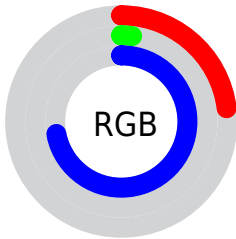
Format	Color
RYB	58, 4, 184
Decimal	3802296
CIELab	25.00, 62.31, -78.84
CIELCh	25, 100.489, 308.322
Yxy	4.4155, 0.1722, 0.0732
Android (android.graphics.Color)	4281992376 (0xFF3A04B8)
YUV	40.6660, 70.6637, 15.2019
Hunter-Lab	21.0130, 51.4467, -113.6784

Details

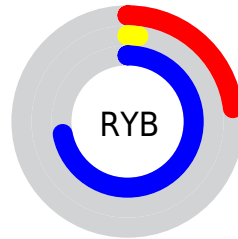
The CIELCh color **25, 100.489, 308.322** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **69, 79.369, 119.705**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 100.395, 308.335**, and **13, 80.724, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 101.509, 308.330**, and if you desaturate by 10%, it is **28, 94.771, 308.335**.

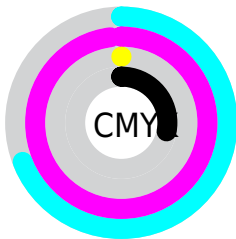
Distribution



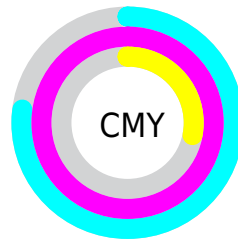
- Red (23%)
- Green (2%)
- Blue (72%)



- Red (23%)
- Yellow (2%)
- Blue (72%)



- Cyan (69%)
- Magenta (98%)
- Yellow (0%)
- Black (28%)





- Cyan (77%)
- Magenta (99%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 100.489, 308.322 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, 100.489, 308.322 by changing the saturation by 10% instead.


 25, 100.489,
308.322


 25, 100.489,
308.322


 100, 100.489,
308.322


 15, 100.489,
308.322


 45, 100.489,
308.322


 5, 100.489,
308.322


 55, 100.489,
308.322

 0, 100.489,
308.322

 65, 100.489,
308.322

 75, 100.489,
308.322

 85, 100.489,
308.322

 95, 100.489,

308.322

■ 25, 100.489,
308.322

■ 25, 100.489,
308.322

■ 25, 101.509,
308.330

■ 28, 94.771,
308.335

■ 31, 86.301,
307.920

■ 36, 75.890,
307.187

■ 41, 64.522,
306.301

■ 47, 52.855,
305.379

■ 52, 41.260,
304.489

■ 58, 29.923,
303.667

■ 64, 18.926,
302.926

■ 70, 8.298, 302.267

Harmonies

Complementary

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



25, 100.489, 308.322



69, 79.369, 119.705

Rectangle

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



25, 100.489, 308.322



25, 100.489, 358.322



25, 100.489, 128.322



25, 100.489, 178.322

Sweetspot

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



25, 100.490, 308.323



74, 38.490, 303.780



51, 37.849, 255.178



36, 26.581, 304.124



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, 100.490, 308.323



33, 124.154, 308.181



37, 91.538, 320.789



36, 5.848, 302.347



20, 89.626, 308.448



1, 15.592, 298.912

Inverse Universe

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



41, 72.031, 344.520



53, 87.808, 345.254



65, 91.332, 134.613



36, 5.600, 334.884



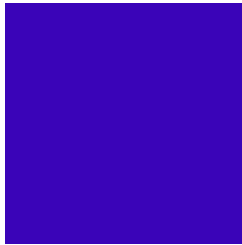
34, 63.970, 344.600



3, 14.063, 339.323

Previews

White Background



This preview shows how the CIE LCh color 25, 100.489, 308.322 looks on a white background.

Color Contrast Check

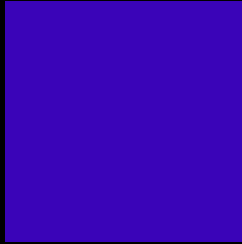
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.489, 308.322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

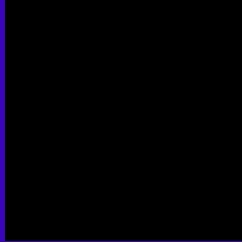
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 100.489, 308.322

Background



This preview shows how black text looks on a background with the CIELCh color 25, 100.489, 308.322.



This preview shows how white text looks on a background with the CIELCh color 25, 100.489, 308.322.

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, 100.489, 308.322

Protanopia

26, 42.913, 284.720

Deuteranopia

26, 30.004, 270.288



Tritanopia
26, 18.834, 204.688

Trichromacy



Original Color
25, 100.489, 308.322

Protanomaly
23, 69.510, 300.354

Deuteranomaly
22, 61.230, 298.533

Tritanomaly
21, 45.592, 293.194

Monochromacy



Original Color
25, 100.489, 308.322

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 44.709, 306.823

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 100.489, 308.322 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(58, 4, 184)` looks like.

```
.text, #text, p{  
    color:rgb(58, 4, 184)  
}
```

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(58, 4, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 4, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 100.489, 308.322 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(58, 4, 184) }
```

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

```
.border{ border-color:rgb(58, 4, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 4, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 4, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 4, 184);  
box-shadow:4px 4px 4px 4px rgb(58, 4, 184)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 100.489, 308.322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 4, 184) }
```

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

```
.background{ background-color: rgb(58, 4,  
184) }
```

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