

Converting Colors

CIELCh(25, 88.417, 307.755)

Have a look what the booklet for
CIELCh(25, 88.417, 307.755)
contains.

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Color

CIELCh(25, 88.388, 307.721)

Conversions

Conversions Part 1

Format	Color
Hex	3D16A9
RGB	61, 22, 169
RGB Percent	24%, 9%, 66%
CMY	0.7614, 0.9143, 0.3378
CMYK	0.64, 0.87, 0.00, 0.34
HSL	256°, 77%, 37%
HSV	256°, 87%, 66%
XYZ	9.3485, 4.4155, 37.8327
YIQ	50.4190, -23.9430, 53.9850

Conversions

Conversions Part 2

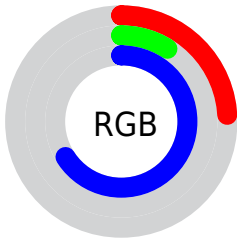
Format	Color
R _Y B	61, 22, 169
Decimal	4003497
CIE Lab	25.00, 54.08, -69.91
CIE LCh	25, 88.388, 307.721
Yxy	4.4155, 0.1812, 0.0856
Android (android.graphics.Color)	4282193577 (0xFF3D16A9)
YUV	50.4190, 58.4604, 9.2795
Hunter-Lab	21.0130, 42.6405, -92.0390

Details

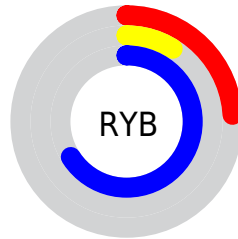
The CIELCh color **25, 88.388, 307.721** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **64, 70.432, 117.157**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 88.661, 307.731**, and **11, 74.338, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **22, 94.264, 307.893**, and if you desaturate by 10%, it is **29, 79.978, 307.124**.

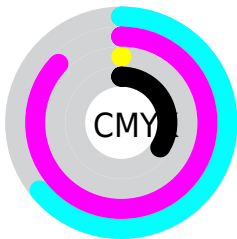
Distribution



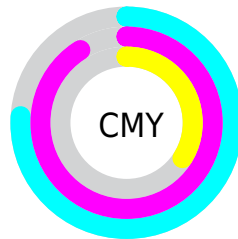
- Red (24%)
- Green (9%)
- Blue (66%)



- Red (24%)
- Yellow (9%)
- Blue (66%)



- Cyan (64%)
- Magenta (87%)
- Yellow (0%)
- Black (34%)





- Cyan (76%)
- Magenta (91%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 88.388, 307.721 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, 88.388, 307.721 by changing the saturation by 10% instead.

 25, 88.388,
307.721


 25, 88.388,
307.721

 100, 88.388,
307.721


 15, 88.388,
307.721


 45, 88.388,
307.721


 5, 88.388, 307.721

 55, 88.388,
307.721

 0, 88.388, 307.721

 65, 88.388,
307.721

 75, 88.388,
307.721

 85, 88.388,
307.721

 95, 88.388,

307.721

■ 25, 88.388,
307.721

■ 25, 88.388,
307.721

■ 22, 94.264,
307.893

■ 29, 79.978,
307.124

■ 22, 95.838,
307.958

■ 33, 69.923,
306.238

■ 38, 59.130,
305.233

■ 43, 48.169,
304.219

■ 49, 37.344,
303.259

■ 54, 26.801,
302.384

■ 60, 16.596,
301.603

■ 65, 6.747, 300.914

■ 71, 2.753, 120.331

Harmonies

Complementary

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



25, 88.388, 307.721



64, 70.432, 117.157

Rectangle

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



25, 88.388, 307.721



25, 88.388, 357.721



25, 88.388, 127.721



25, 88.388, 177.721

Sweetspot

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



25, 88.389, 307.722



70, 31.822, 302.336



51, 31.763, 240.463



34, 21.665, 302.612



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, 88.389, 307.722



29, 116.688, 307.811



35, 82.791, 319.606



33, 5.417, 301.060



18, 86.832, 308.051



1, 9.696, 299.077

Inverse Universe

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



39, 67.857, 340.388



49, 84.115, 342.604



61, 80.757, 133.435



33, 5.341, 333.486



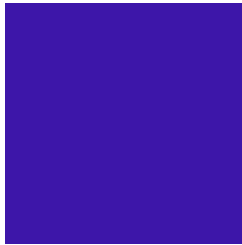
33, 63.125, 342.081



2, 9.194, 335.801

Previews

White Background



This preview shows how the CIE LCh color 25, 88.388, 307.721 looks on a white background.

Color Contrast Check

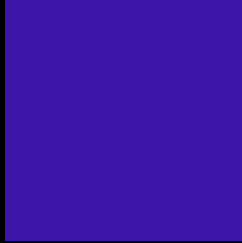
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.388, 307.721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

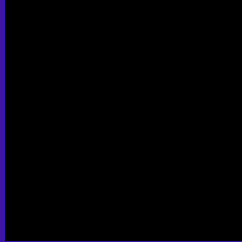
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 88.388, 307.721

Background



This preview shows how black text looks on a background with the CIELCh color 25, 88.388, 307.721.



This preview shows how white text looks on a background with the CIELCh color 25, 88.388, 307.721.

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, 88.388, 307.721

Protanopia

25, 42.376, 284.676

Deuteranopia

25, 29.452, 269.911



Tritanopia
25, 18.567, 206.959

Trichromacy



Original Color
25, 88.388, 307.721

Protanomaly
23, 61.416, 297.730

Deuteranomaly
23, 53.415, 295.272

Tritanomaly
22, 37.545, 287.411

Monochromacy



Original Color
25, 88.388, 307.721

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 36.071, 304.853

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 88.388, 307.721 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, 22, 169)` looks like.

```
.text, #text, p{  
    color:rgb(61, 22, 169)  
}
```

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, 22, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 22, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 88.388, 307.721 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, 22, 169) }
```

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

```
.border{ border-color:rgb(61, 22, 169) }
```

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

Here you see how a box with a 4 pixel rgb(61, 22, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 22, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 22, 169);  
box-shadow:4px 4px 4px 4px rgb(61, 22,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 88.388, 307.721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 22, 169) }
```

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

```
.background{ background-color: rgb(61, 22,  
169) }
```

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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