

Converting Colors

CIELCh(25, 72.348, 320.016)

Have a look what the booklet for
CIELCh(25, 72.348, 320.016)
contains.

CIELCh(25, 72.083, 319.921)	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, 72.083, 319.921)

Conversions

Conversions Part 1

Format	Color
Hex	650083
RGB	101, 0, 131
RGB Percent	40%, 0%, 51%
CMY	0.6036, 0.9995, 0.4860
CMYK	0.23, 1.00, 0.00, 0.49
HSL	286°, 100%, 26%
HSV	286°, 100%, 51%
XYZ	9.4801, 4.4155, 21.8544
YIQ	45.1330, 18.1450, 62.1530

Conversions

Conversions Part 2

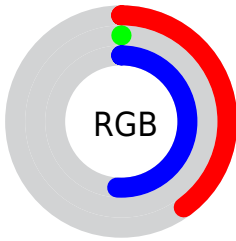
Format	Color
RYB	101, 0, 131
Decimal	6619267
CIELab	25.00, 55.15, -46.41
CIElCh	25, 72.083, 319.921
Yxy	4.4155, 0.2652, 0.1235
Android (android.graphics.Color)	4284809347 (0xFF650083)
YUV	45.1330, 42.3324, 48.9954
Hunter-Lab	21.0130, 43.7580, -46.9548

Details

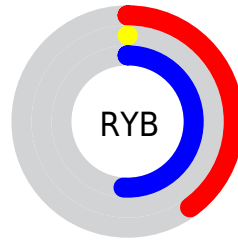
The CIELCh color **25, 72.083, 319.921** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **48, 71.104, 133.972**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 72.358, 319.917**, and **11, 52.314, 315.361** is the 20% darker color. If you saturate the color by 10%, you get **25, 72.116, 319.918**, and if you desaturate by 10%, it is **26, 68.983, 320.249**.

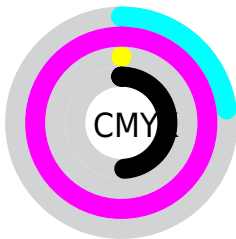
Distribution



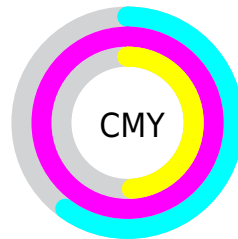
- Red (40%)
- Green (0%)
- Blue (51%)



- Red (40%)
- Yellow (0%)
- Blue (51%)



- Cyan (23%)
- Magenta (100%)
- Yellow (0%)
- Black (49%)





- Cyan (60%)
- Magenta (100%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 72.083, 319.921 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, 72.083, 319.921 by changing the saturation by 10% instead.

 25, 72.083,
319.921


 25, 72.083,
319.921

 100, 72.083,
319.921


 15, 72.083,
319.921


 45, 72.083,
319.921


 5, 72.083, 319.921

 55, 72.083,
319.921

 0, 72.083, 319.921

 65, 72.083,
319.921

 75, 72.083,
319.921

 85, 72.083,
319.921

 95, 72.083,

319.921

■ 25, 72.083,
319.921

■ 25, 72.083,
319.921

■ 25, 72.116,
319.918

■ 26, 68.983,
320.249

■ 28, 64.682,
320.437

■ 31, 58.770,
320.421

■ 33, 51.604,
320.246

■ 36, 43.575,
319.957

■ 40, 35.027,
319.594

■ 43, 26.227,
319.188

■ 47, 17.364,
318.762

■ 51, 8.567, 318.329

Harmonies

Complementary

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



25, 72.083, 319.921



48, 71.104, 133.972

Rectangle

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



25, 72.083, 319.921



25, 72.083, 9.921



25, 72.083, 139.921



25, 72.083, 189.921

Sweetspot

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



25, 72.082, 319.921



56, 32.691, 319.221



18, 66.817, 300.380



27, 22.495, 319.371



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



25, 72.082, 319.921



34, 87.606, 319.742



29, 57.866, 341.967



26, 4.926, 318.295



25, 71.704, 319.924



0, 1.170, 317.932

Inverse Universe

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



27, 54.900, 25.365



36, 67.387, 26.835



47, 65.248, 140.780



26, 3.190, 1.819



26, 54.613, 25.363



0, 0.748, 1.056

Previews

White Background



This preview shows how the CIE LCh color 25, 72.083, 319.921 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, 72.083, 319.921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

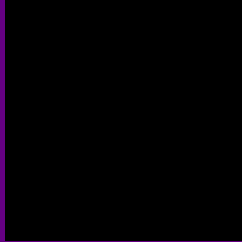
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 72.083, 319.921

Background



This preview shows how black text looks on a background with the CIELCh color 25, 72.083, 319.921.



This preview shows how white text looks on a background with the CIELCh color 25, 72.083, 319.921.

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, 72.083, 319.921

Protanopia

26, 43.983, 284.804

Deuteranopia

26, 32.206, 272.959



Tritanopia
26, 18.842, 15.612

Trichromacy



Original Color
25, 72.083, 319.921

Protanomaly
22, 59.220, 300.856

Deuteranomaly
21, 51.217, 299.189

Tritanomaly
24, 38.411, 333.805

Monochromacy



Original Color
25, 72.083, 319.921

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 34.095, 320.039

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 72.083, 319.921 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(101, 0, 131)` looks like.

```
.text, #text, p{  
    color:rgb(101, 0, 131)  
}
```

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(101, 0, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 0, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 72.083, 319.921 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(101, 0, 131) }
```

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

```
.border{ border-color:rgb(101, 0, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 0, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 0, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 0, 131);  
box-shadow:4px 4px 4px 4px rgb(101, 0,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 72.083, 319.921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 0, 131) }
```

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

```
.background{ background-color: rgb(101, 0,  
131) }
```

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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