

Converting Colors

CIELCh(25, 57.009, 310.989)

Have a look what the booklet for
CIELCh(25, 57.009, 310.989)
contains.

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Color

CIELCh(25, 56.959, 311.121)

Conversions

Conversions Part 1

Format	Color
Hex	4D257D
RGB	77, 37, 125
RGB Percent	30%, 15%, 49%
CMY	0.6970, 0.8539, 0.5087
CMYK	0.38, 0.70, 0.00, 0.51
HSL	267°, 54%, 32%
HSV	267°, 70%, 49%
XYZ	7.4711, 4.4155, 19.9519
YIQ	58.9920, -4.4080, 35.8480

Conversions

Conversions Part 2

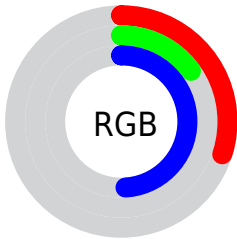
Format	Color
RYB	77, 37, 125
Decimal	5055869
CIELab	25.00, 37.46, -42.91
CIElCh	25, 56.959, 311.121
Yxy	4.4155, 0.2347, 0.1387
Android (android.graphics.Color)	4283245949 (0xFF4D257D)
YUV	58.9920, 32.5419, 15.7930
Hunter-Lab	21.0130, 26.6922, -41.5867

Details

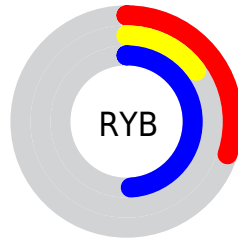
The CIELCh color **25, 56.959, 311.121** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **48, 50.705, 124.682**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 56.757, 311.200**, and **6, 52.256, 309.265** is the 20% darker color. If you saturate the color by 10%, you get **22, 63.978, 311.406**, and if you desaturate by 10%, it is **28, 49.099, 310.662**.

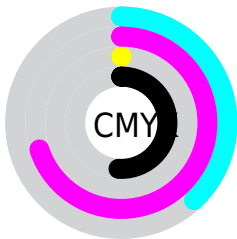
Distribution



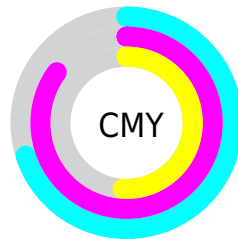
- Red (30%)
- Green (15%)
- Blue (49%)



- Red (30%)
- Yellow (15%)
- Blue (49%)



- Cyan (38%)
- Magenta (70%)
- Yellow (0%)
- Black (51%)





- Cyan (70%)
- Magenta (85%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 56.959, 311.121 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, 56.959, 311.121 by changing the saturation by 10% instead.

 25, 56.959,
311.121


 25, 56.959,
311.121

 100, 56.959,
311.121


 15, 56.959,
311.121


 45, 56.959,
311.121


 5, 56.959, 311.121

 55, 56.959,
311.121

 0, 56.959, 311.121

 65, 56.959,
311.121

 75, 56.959,
311.121

 85, 56.959,
311.121

 95, 56.959,

311.121

■ 25, 56.959,
311.121

■ 25, 56.959,
311.121

■ 22, 63.978,
311.406

■ 28, 49.099,
310.662

■ 19, 69.601,
311.405

■ 32, 40.831,
310.115

■ 17, 74.140,
311.288

■ 36, 32.443,
309.538

■ 40, 24.110,
308.968

■ 44, 15.931,
308.428

■ 48, 7.957, 307.925

■ 52, 0.209, 307.134

■ 56, 7.304, 127.088

■ 61, 14.586,
126.724

Harmonies

Complementary

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



25, 56.959, 311.121



48, 50.705, 124.682

Rectangle

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



25, 56.959, 311.121



25, 56.959, 1.121



25, 56.959, 131.121



25, 56.959, 181.121

Sweetspot

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



25, 56.959, 311.121



56, 20.531, 308.493



35, 27.264, 264.684



28, 13.868, 308.610



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



25, 56.959, 311.121



28, 81.741, 311.448



32, 57.475, 326.094



25, 4.425, 307.870



18, 75.102, 311.268



0, 0.000, 0.000

Inverse Universe

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



30, 43.297, 349.099



37, 58.834, 352.498



46, 58.030, 137.637



25, 3.706, 341.940



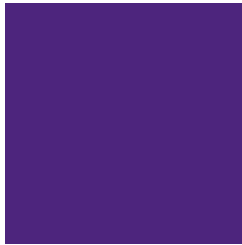
27, 51.450, 356.497



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 25, 56.959, 311.121 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, 56.959, 311.121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

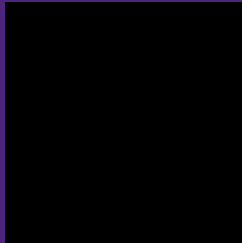
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 56.959, 311.121

Background



This preview shows how black text looks on a background with the CIELCh color 25, 56.959, 311.121.



This preview shows how white text looks on a background with the CIELCh color 25, 56.959, 311.121.

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, 56.959, 311.121

Protanopia
25, 42.376, 284.676

Deuteranopia
25, 31.104, 272.811



Tritanopia
25, 4.275, 329.854

Trichromacy



Original Color
25, 56.959, 311.121

Protanomaly
24, 48.112, 293.713

Deuteranomaly
23, 40.475, 290.041

Tritanomaly
24, 24.960, 311.878

Monochromacy



Original Color
25, 56.959, 311.121

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 22.082, 309.789

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 56.959, 311.121 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(77, 37, 125)` looks like.

```
.text, #text, p{  
    color:rgb(77, 37, 125)  
}
```

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(77, 37, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 37, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 56.959, 311.121 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(77, 37, 125) }
```

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

```
.border{ border-color:rgb(77, 37, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 37, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 37, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 37, 125);  
box-shadow:4px 4px 4px 4px rgb(77, 37,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 56.959, 311.121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 37, 125) }
```

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

```
.background{ background-color: rgb(77, 37,  
125) }
```

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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