

Converting Colors

CIELCh(25, 61.185, 312.649)

Have a look what the booklet for
CIELCh(25, 61.185, 312.649)
contains.

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Color

CIELCh(25, 61.292, 312.478)

Conversions

Conversions Part 1

Format	Color
Hex	512181
RGB	81, 33, 129
RGB Percent	32%, 13%, 51%
CMY	0.6826, 0.8708, 0.4943
CMYK	0.37, 0.74, 0.00, 0.49
HSL	270°, 59%, 32%
HSV	270°, 74%, 51%
XYZ	7.8902, 4.4155, 21.1866
YIQ	58.2960, -2.2080, 40.0320

Conversions

Conversions Part 2

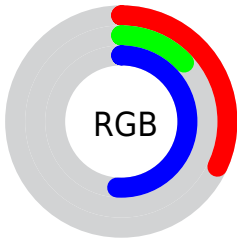
Format	Color
R_{YB}	81, 33, 129
Decimal	5316993
CIE _{Lab}	25.00, 41.39, -45.21
CIE _{LCh}	25, 61.292, 312.478
Yxy	4.4155, 0.2356, 0.1318
Android (android.graphics.Color)	4283507073 (0xFF512181)
YUV	58.2960, 34.8571, 19.9114
Hunter-Lab	21.0130, 30.2519, -45.0706

Details

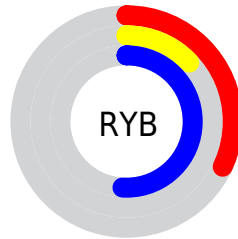
The CIELCh color **25, 61.292, 312.478** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **49, 54.982, 126.312**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 61.487, 312.587**, and **7, 54.301, 310.005** is the 20% darker color. If you saturate the color by 10%, you get **22, 67.709, 312.564**, and if you desaturate by 10%, it is **28, 53.726, 312.169**.

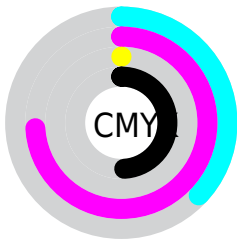
Distribution



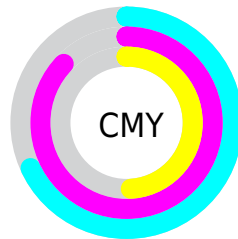
- Red (32%)
- Green (13%)
- Blue (51%)



- Red (32%)
- Yellow (13%)
- Blue (51%)



- Cyan (37%)
- Magenta (74%)
- Yellow (0%)
- Black (49%)





- Cyan (68%)
- Magenta (87%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 61.292, 312.478 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, 61.292, 312.478 by changing the saturation by 10% instead.

 25, 61.292,
312.478

 25, 61.292,
312.478

 100, 61.292,
312.478


 15, 61.292,
312.478


 45, 61.292,
312.478


 5, 61.292, 312.478

 55, 61.292,
312.478

 0, 61.292, 312.478

 65, 61.292,
312.478

 75, 61.292,
312.478

 85, 61.292,
312.478

 95, 61.292,

312.478

■ 25, 61.292,
312.478

■ 25, 61.292,
312.478

■ 22, 67.709,
312.564

■ 28, 53.726,
312.169

■ 20, 72.501,
312.341

■ 32, 45.504,
311.728

■ 19, 75.013,
312.240

■ 36, 36.991,
311.222

■ 40, 28.423,
310.697

■ 44, 19.943,
310.183

■ 48, 11.633,
309.696

■ 52, 3.534, 309.231

■ 56, 4.334, 128.868

■ 60, 11.969,
128.490

Harmonies

Complementary

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



25, 61.292, 312.478



49, 54.982, 126.312

Rectangle

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



25, 61.292, 312.478



25, 61.292, 2.478



25, 61.292, 132.478



25, 61.292, 182.478

Sweetspot

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



25, 61.292, 312.478



58, 22.259, 310.087



34, 31.733, 272.165



28, 14.928, 310.197



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



25, 61.292, 312.478



28, 86.327, 312.446



33, 61.334, 327.816



25, 4.464, 309.446



18, 74.397, 312.252



0, 0.000, 0.000

Inverse Universe

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



30, 45.127, 353.081



37, 60.476, 357.644



47, 62.515, 137.930



25, 3.593, 344.329



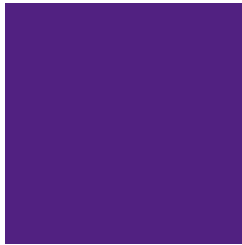
26, 50.837, 0.548



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 25, 61.292, 312.478 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, 61.292, 312.478 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, 61.292, 312.478

Background



This preview shows how black text looks on a background with the CIELCh color 25, 61.292, 312.478.



This preview shows how white text looks on a background with the CIELCh color 25, 61.292, 312.478.

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

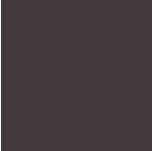
25, 61.292, 312.478

Protanopia

25, 42.980, 285.073

Deuteranopia

25, 30.547, 271.568



Tritanopia
25, 5.620, 344.738

Trichromacy



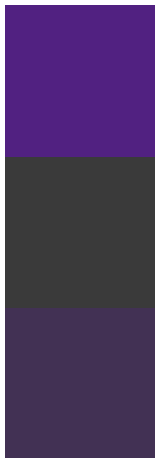
Original Color
25, 61.292, 312.478

Protanomaly
23, 50.033, 294.798

Deuteranomaly
23, 41.782, 291.248

Tritanomaly
24, 26.771, 315.297

Monochromacy



Original Color
25, 61.292, 312.478

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 24.227, 310.506

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 61.292, 312.478 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(81, 33, 129)` looks like.

```
.text, #text, p{  
    color:rgb(81, 33, 129)  
}
```

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(81, 33, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 33, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 61.292, 312.478 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(81, 33, 129) }
```

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

```
.border{ border-color:rgb(81, 33, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 33, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 33, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 33, 129);  
box-shadow:4px 4px 4px 4px rgb(81, 33,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 61.292, 312.478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 33, 129) }
```

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

```
.background{ background-color: rgb(81, 33,  
129) }
```

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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