

Converting Colors

CIELCh(25, 90.232, 311.621)

Have a look what the booklet for
CIELCh(25, 90.232, 311.621)
contains.

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Color

CIELCh(25, 90.296, 311.654)

Conversions

Conversions Part 1

Format	Color
Hex	5000A5
RGB	80, 0, 165
RGB Percent	31%, 0%, 65%
CMY	0.6865, 1.0000, 0.3532
CMYK	0.52, 1.00, 0.00, 0.35
HSL	269°, 100%, 32%
HSV	269°, 100%, 65%
XYZ	10.0886, 4.4155, 35.8907
YIQ	42.7300, -5.2850, 68.2750

Conversions

Conversions Part 2

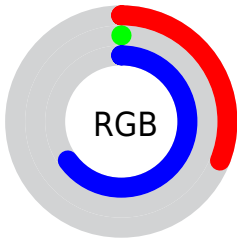
Format	Color
RYB	80, 0, 165
Decimal	5243045
CIELab	25.00, 60.01, -67.47
CIElCh	25, 90.296, 311.654
Yxy	4.4155, 0.2002, 0.0876
Android (android.graphics.Color)	4283433125 (0xFF5000A5)
YUV	42.7300, 60.2791, 32.6858
Hunter-Lab	21.0130, 48.9270, -86.5595

Details

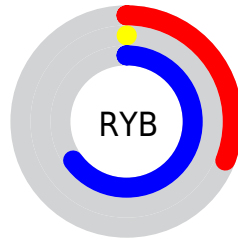
The CIELCh color **25, 90.296, 311.654** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **61, 78.241, 127.387**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 89.930, 311.663**, and **10, 72.952, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 90.276, 311.650**, and if you desaturate by 10%, it is **27, 85.722, 312.052**.

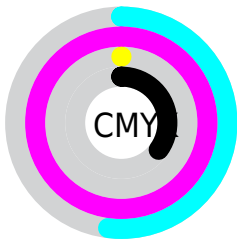
Distribution



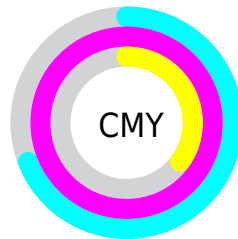
- Red (31%)
- Green (0%)
- Blue (65%)



- Red (31%)
- Yellow (0%)
- Blue (65%)



- Cyan (52%)
- Magenta (100%)
- Yellow (0%)
- Black (35%)





- Cyan (69%)
- Magenta (100%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 90.296, 311.654 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, 90.296, 311.654 by changing the saturation by 10% instead.

 25, 90.296,
311.654


 25, 90.296,
311.654

 100, 90.296,
311.654


 15, 90.296,
311.654


 45, 90.296,
311.654


 5, 90.296, 311.654

 55, 90.296,
311.654

 0, 90.296, 311.654

 65, 90.296,
311.654

 75, 90.296,
311.654

 85, 90.296,
311.654

 95, 90.296,

311.654

■ 25, 90.296,
311.654

■ 25, 90.296,
311.654

■ 25, 90.276,
311.650

■ 27, 85.722,
312.052

■ 30, 79.259,
312.177

■ 34, 70.865,
311.986

■ 38, 61.251,
311.593

■ 43, 51.004,
311.090

■ 48, 40.530,
310.542

■ 53, 30.080,
309.992

■ 58, 19.798,
309.463

■ 63, 9.762, 308.968

Harmonies

Complementary

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



25, 90.296, 311.654



61, 78.241, 127.387

Rectangle

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



25, 90.296, 311.654



25, 90.296, 1.654



25, 90.296, 131.654



25, 90.296, 181.654

Sweetspot

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



25, 90.276, 311.650



67, 37.233, 310.021



36, 49.991, 281.957



32, 25.471, 310.240



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



25, 90.276, 311.650



34, 109.879, 311.444



39, 83.469, 327.580



32, 5.469, 308.933



21, 82.185, 311.769



1, 8.332, 306.909

Inverse Universe

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



35, 61.392, 0.168



46, 74.438, 0.998



59, 86.356, 135.937



32, 4.461, 343.536



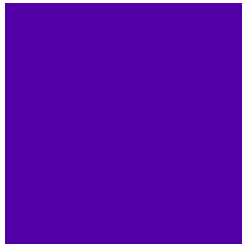
31, 56.017, 359.698



1, 6.645, 345.475

Previews

White Background



This preview shows how the CIE LCh color 25, 90.296, 311.654 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, 90.296, 311.654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

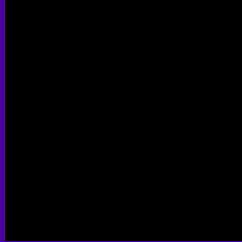
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 90.296, 311.654

Background



This preview shows how black text looks on a background with the CIELCh color 25, 90.296, 311.654.



This preview shows how white text looks on a background with the CIELCh color 25, 90.296, 311.654.

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

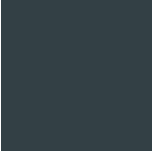
25, 90.296, 311.654

Protanopia

26, 43.449, 284.763

Deuteranopia

26, 30.555, 270.648



Tritanopia
26, 6.202, 230.677

Trichromacy



Original Color
25, 90.296, 311.654

Protanomaly
22, 66.528, 300.894

Deuteranomaly
22, 58.078, 298.910

Tritanomaly
22, 42.248, 307.159

Monochromacy



Original Color
25, 90.296, 311.654

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 41.536, 311.748

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 90.296, 311.654 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(80, 0, 165)` looks like.

```
.text, #text, p{  
    color:rgb(80, 0, 165)  
}
```

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(80, 0, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 0, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 90.296, 311.654 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(80, 0, 165) }
```

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

```
.border{ border-color:rgb(80, 0, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 0, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 0, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 0, 165);  
box-shadow:4px 4px 4px 4px rgb(80, 0, 165)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 90.296, 311.654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 0, 165) }
```

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

```
.background{ background-color: rgb(80, 0,  
165) }
```

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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