

Converting Colors

CIELCh(25, 71.300, 309.877)

Have a look what the booklet for
CIELCh(25, 71.300, 309.877)
contains.

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Color

CIELCh(25, 71.141, 309.960)

Conversions

Conversions Part 1

Format	Color
Hex	4B1E90
RGB	75, 30, 144
RGB Percent	29%, 12%, 56%
CMY	0.7066, 0.8831, 0.4360
CMYK	0.48, 0.79, 0.00, 0.44
HSL	264°, 66%, 34%
HSV	264°, 79%, 56%
XYZ	8.3660, 4.4155, 26.7226
YIQ	56.4510, -9.7740, 44.9940

Conversions

Conversions Part 2

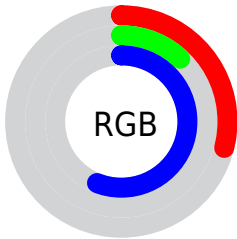
Format	Color
R_{YB}	75, 30, 144
Decimal	4923024
CIE _{Lab}	25.00, 45.69, -54.53
CIE _{LCh}	25, 71.141, 309.960
Yxy	4.4155, 0.2118, 0.1118
Android (android.graphics.Color)	4283113104 (0xFF4B1E90)
YUV	56.4510, 43.1617, 16.2675
Hunter-Lab	21.0130, 34.2942, -60.6908

Details

The CIELCh color **25, 71.141, 309.960** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **55, 60.842, 122.468**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 71.045, 310.011**, and **8, 62.779, 306.991** is the 20% darker color. If you saturate the color by 10%, you get **22, 77.724, 310.098**, and if you desaturate by 10%, it is **29, 63.000, 309.527**.

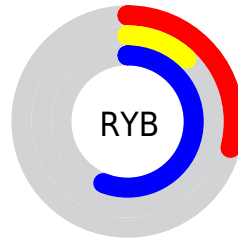
Distribution



Red (29%)

Green (12%)

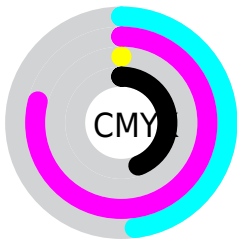
Blue (56%)



Red (29%)

Yellow (12%)

Blue (56%)

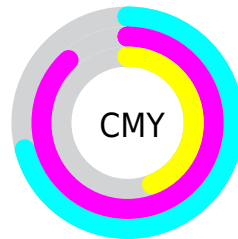


Cyan (48%)

Magenta (79%)

Yellow (0%)

Black (44%)



Cyan (71%)


Magenta (88%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 71.141, 309.960 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, 71.141, 309.960 by changing the saturation by 10% instead.

 25, 71.141,
309.960


 25, 71.141,
309.960


 100, 71.141,
309.960


 15, 71.141,
309.960


 45, 71.141,
309.960


 5, 71.141, 309.960

 55, 71.141,
309.960

 0, 71.141, 309.960

 65, 71.141,
309.960

 75, 71.141,
309.960

 85, 71.141,
309.960

 95, 71.141,

309.960

■ 25, 71.141,
309.960

■ 25, 71.141,
309.960

■ 22, 77.724,
310.098

■ 29, 63.000,
309.527

■ 20, 82.694,
309.981

■ 33, 53.989,
308.925

■ 20, 83.073,
309.985

■ 37, 44.609,
308.252

■ 41, 35.176,
307.570

■ 46, 25.868,
306.916

■ 51, 16.776,
306.309

■ 55, 7.944, 305.755

■ 60, 0.613, 125.377

■ 65, 8.895, 124.845

Harmonies

Complementary

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



25, 71.141, 309.960



55, 60.842, 122.468

Rectangle

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



25, 71.141, 309.960



25, 71.141, 359.960



25, 71.141, 129.960



25, 71.141, 179.960

Sweetspot

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



25, 71.141, 309.961



62, 26.003, 306.620



40, 30.644, 259.475



30, 18.090, 306.818



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



25, 71.141, 309.961



28, 98.307, 309.918



33, 69.085, 324.063



28, 4.813, 305.750



18, 79.350, 310.046



0, 3.207, 305.304

Inverse Universe

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



33, 53.520, 347.017



41, 68.788, 351.063



52, 69.441, 135.870



28, 4.249, 339.010



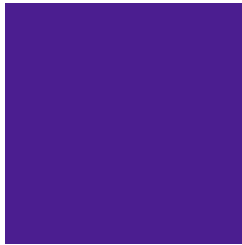
29, 54.911, 351.589



1, 2.845, 338.379

Previews

White Background



This preview shows how the CIE LCh color 25, 71.141, 309.960 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, 71.141, 309.960 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, 71.141, 309.960

Background



This preview shows how black text looks on a background with the CIELCh color 25, 71.141, 309.960.



This preview shows how white text looks on a background with the CIELCh color 25, 71.141, 309.960.

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, 71.141, 309.960

Protanopia
25, 42.376, 284.676

Tritanopia
25, 4.381, 247.912

Trichromacy

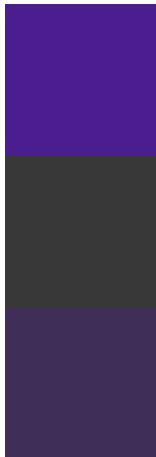


Original Color
25, 71.141, 309.960

Protanomaly
24, 53.834, 295.806

Tritanomaly
24, 29.516, 304.159

Monochromacy



Original Color
25, 71.141, 309.960

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 28.767, 308.289

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 71.141, 309.960 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(75, 30, 144)` looks like.

```
.text, #text, p{  
    color:rgb(75, 30, 144)  
}
```

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(75, 30, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 30, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 71.141, 309.960 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(75, 30, 144) }
```

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

```
.border{ border-color:rgb(75, 30, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 30, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 30, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 30, 144);  
box-shadow:4px 4px 4px 4px rgb(75, 30,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 71.141, 309.960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 30, 144) }
```

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

```
.background{ background-color: rgb(75, 30,  
144) }
```

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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