

Converting Colors

CIELCh(25, 70.390, 300.963)

Have a look what the booklet for
CIELCh(25, 70.390, 300.963)
contains.

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Color

CIELCh(25, 70.495, 301.069)

Conversions

Conversions Part 1

Format	Color
Hex	242B99
RGB	36, 43, 153
RGB Percent	14%, 17%, 60%
CMY	0.8582, 0.8310, 0.3996
CMYK	0.76, 0.72, 0.00, 0.40
HSL	236°, 62%, 37%
HSV	236°, 76%, 60%
XYZ	7.3588, 4.4155, 30.6478
YIQ	53.4470, -39.4820, 32.7260

Conversions

Conversions Part 2

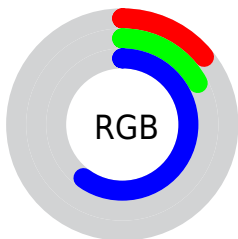
Format	Color
R_{YB}	36, 43, 153
Decimal	2370457
CIE _{Lab}	25.00, 36.38, -60.38
CIE _{LCh}	25, 70.495, 301.069
Yxy	4.4155, 0.1735, 0.1041
Android (android.graphics.Color)	4280560537 (0xFF242B99)
YUV	53.4470, 49.0796, -15.3010
Hunter-Lab	21.0130, 25.7381, -71.7661

Details

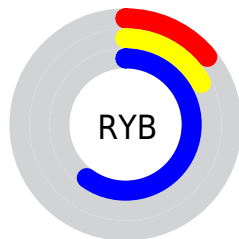
The CIELCh color **25, 70.495, 301.069** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **59, 56.031, 100.455**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 70.448, 301.228**, and **9, 67.216, 306.045** is the 20% darker color. If you saturate the color by 10%, you get **21, 79.574, 303.276**, and if you desaturate by 10%, it is **29, 60.578, 298.701**.

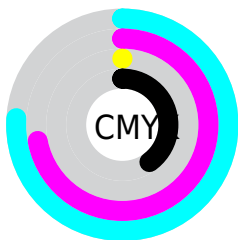
Distribution



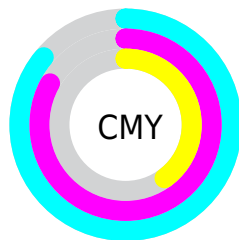
- Red (14%)
- Green (17%)
- Blue (60%)



- Red (14%)
- Yellow (17%)
- Blue (60%)



- Cyan (76%)
- Magenta (72%)
- Yellow (0%)
- Black (40%)



- Cyan (86%)
- Magenta (83%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 70.495, 301.069 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, 70.495, 301.069 by changing the saturation by 10% instead.

■ 25, 70.495,
301.069

■ 25, 70.495,
301.069

■ 100, 70.495,
301.069

■ 15, 70.495,
301.069

■ 45, 70.495,
301.069

■ 5, 70.495, 301.069

■ 55, 70.495,
301.069

■ 0, 70.495, 301.069

■ 65, 70.495,
301.069

■ 75, 70.495,
301.069

■ 85, 70.495,
301.069

■ 95, 70.495,

301.069

■ 25, 70.495,
301.069

■ 25, 70.495,
301.069

■ 21, 79.574,
303.276

■ 29, 60.578,
298.701

■ 19, 86.648,
304.994

■ 34, 50.560,
296.404

■ 18, 88.543,
305.398

■ 39, 40.778,
294.310

■ 44, 31.348,
292.468

■ 50, 22.287,
290.878

■ 55, 13.578,
289.518

■ 60, 5.195, 288.365

■ 65, 2.886, 107.334

■ 70, 10.687,
106.502

Harmonies

Complementary

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



25, 70.495, 301.069



59, 56.031, 100.455

Rectangle

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



25, 70.495, 301.069



25, 70.495, 351.069



25, 70.495, 121.069



25, 70.495, 171.069

Sweetspot

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



25, 70.496, 301.070



65, 23.917, 290.458



57, 33.167, 188.650



32, 16.617, 290.938



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



25, 70.496, 301.070



27, 103.275, 304.627



28, 72.260, 310.819



30, 4.623, 288.673



16, 82.763, 305.301



0, 4.927, 287.745

Inverse Universe

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



34, 54.466, 28.170



42, 79.625, 35.133



58, 62.993, 123.923



30, 3.445, 15.105



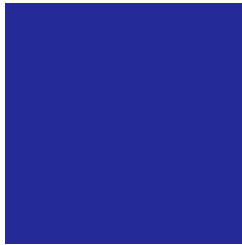
28, 64.166, 36.658



1, 3.612, 14.575

Previews

White Background



This preview shows how the CIE LCh color 25, 70.495, 301.069 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 CIE LCh color 25, 70.495, 301.069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

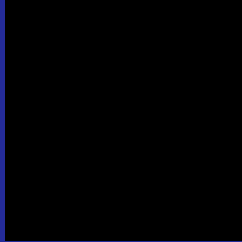
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 70.495, 301.069

Background



This preview shows how black text looks on a background with the CIELCh color 25, 70.495, 301.069.



This preview shows how white text looks on a background with the CIELCh color 25, 70.495, 301.069.

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, 70.495, 301.069

Protanopia

25, 42.443, 285.034

Deuteranopia

25, 29.443, 270.387



Tritanopia
25, 18.457, 204.901

Trichromacy



Original Color
25, 70.495, 301.069

Protanomaly
24, 53.058, 292.842

Deuteranomaly
24, 44.320, 288.518

Tritanomaly
24, 29.028, 274.283

Monochromacy



Original Color
25, 70.495, 301.069

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 26.745, 294.324

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 70.495, 301.069 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(36, 43, 153)` looks like.

```
.text, #text, p{  
    color:rgb(36, 43, 153)  
}
```

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(36, 43, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 43, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 70.495, 301.069 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(36, 43, 153) }
```

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

```
.border{ border-color:rgb(36, 43, 153) }
```

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

Here you see how a box with a 4 pixel rgb(36, 43, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 43, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 43, 153);  
box-shadow:4px 4px 4px 4px rgb(36, 43,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 70.495, 301.069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 43, 153) }
```

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

```
.background{ background-color: rgb(36, 43,  
153) }
```

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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