

Converting Colors

CIELCh(29, 70.578, 300.018)

Have a look what the booklet for
CIELCh(29, 70.578, 300.018)
contains.

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Color

CIELCh(29, 70.585, 300.059)

Conversions

Conversions Part 1

Format	Color
Hex	2D35A5
RGB	45, 53, 165
RGB Percent	18%, 21%, 65%
CMY	0.8228, 0.7918, 0.3525
CMYK	0.73, 0.68, 0.00, 0.35
HSL	236°, 57%, 41%
HSV	236°, 73%, 65%
XYZ	9.1698, 5.8380, 36.2990
YIQ	63.3760, -40.7200, 33.1360

Conversions

Conversions Part 2

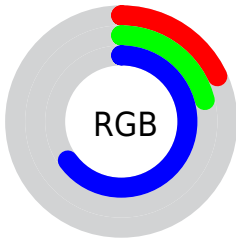
Format	Color
R_{YB}	45, 53, 165
Decimal	2962853
CIE _{Lab}	29.00, 35.36, -61.09
CIE _{LCh}	29, 70.585, 300.059
Yxy	5.8380, 0.1787, 0.1138
Android (android.graphics.Color)	4281152933 (0xFF2D35A5)
YUV	63.3760, 50.1006, -16.1158
Hunter-Lab	24.1619, 25.4599, -72.1594

Details

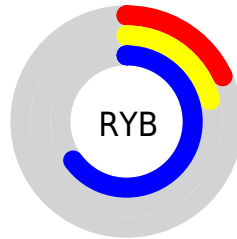
The CIELCh color **29, 70.585, 300.059** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **64, 57.131, 100.316**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 70.605, 300.018**, and **12, 67.200, 303.974** is the 20% darker color. If you saturate the color by 10%, you get **25, 80.644, 302.401**, and if you desaturate by 10%, it is **34, 59.999, 297.657**.

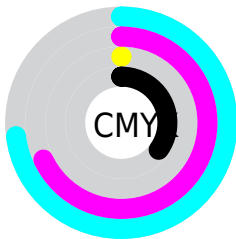
Distribution



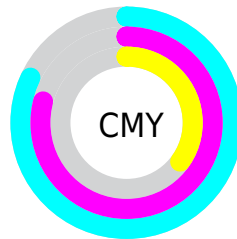
- Red (18%)
- Green (21%)
- Blue (65%)



- Red (18%)
- Yellow (21%)
- Blue (65%)



- Cyan (73%)
- Magenta (68%)
- Yellow (0%)
- Black (35%)



- Cyan (82%)
- Magenta (79%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 70.585, 300.059 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 29, 70.585, 300.059 by changing the saturation by 10% instead.

■ 29, 70.585,
300.059

■ 29, 70.585,
300.059

■ 100, 70.585,
300.059

■ 19, 70.585,
300.059

■ 49, 70.585,
300.059

■ 9, 70.585, 300.059

■ 59, 70.585,
300.059

■ 0, 70.585, 300.059

■ 69, 70.585,
300.059

■ 79, 70.585,
300.059

■ 89, 70.585,
300.059

■ 99, 70.585,

300.059

■ 29, 70.585,
300.059

■ 29, 70.585,
300.059

■ 25, 80.644,
302.401

■ 34, 59.999,
297.657

■ 22, 89.077,
304.385

■ 39, 49.485,
295.391

■ 20, 93.536,
305.379

■ 44, 39.289,
293.359

■ 50, 29.479,
291.588

■ 55, 20.054,
290.067

■ 61, 10.991,
288.771

■ 66, 2.262, 287.691

■ 72, 6.159, 106.696

■ 77, 14.293,
105.891

Harmonies

Complementary

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



29, 70.585, 300.059



64, 57.131, 100.316

Rectangle

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



29, 70.585, 300.059



29, 70.585, 350.059



29, 70.585, 120.059



29, 70.585, 170.059

Sweetspot

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



29, 70.585, 300.060



71, 24.072, 290.034



62, 34.312, 188.888



35, 16.224, 290.396



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



29, 70.585, 300.060



31, 104.312, 303.644



32, 73.504, 310.713



32, 4.842, 288.379



17, 84.737, 305.232



1, 7.474, 287.671

Inverse Universe

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



38, 54.896, 26.501



46, 80.392, 32.824



62, 64.481, 123.882



32, 3.638, 14.556



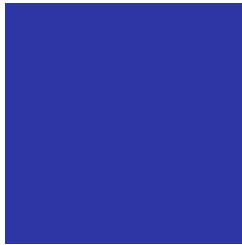
30, 65.797, 36.574



1, 5.491, 14.437

Previews

White Background



This preview shows how the CIE LCh color 29, 70.585, 300.059 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 29, 70.585, 300.059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

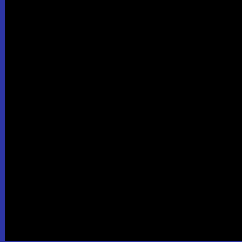
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 70.585, 300.059

Background



This preview shows how black text looks on a background with the CIELCh color 29, 70.585, 300.059.



This preview shows how white text looks on a background with the CIELCh color 29, 70.585, 300.059.

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

29, 70.585, 300.059

Protanopia

29, 47.219, 285.346

Deuteranopia

29, 33.293, 271.834



Tritanopia
29, 20.238, 205.874

Trichromacy



Original Color
29, 70.585, 300.059

Protanomaly
28, 55.786, 291.782

Deuteranomaly
28, 46.572, 286.981

Tritanomaly
28, 30.106, 271.379

Monochromacy



Original Color
29, 70.585, 300.059

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 26.758, 293.827

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 70.585, 300.059 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(45, 53, 165)` looks like.

```
.text, #text, p{  
    color:rgb(45, 53, 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(45, 53, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 53, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 70.585, 300.059 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(45, 53, 165) }
```

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

```
.border{ border-color:rgb(45, 53, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 53, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 53, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 53, 165);  
box-shadow:4px 4px 4px 4px rgb(45, 53,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 70.585, 300.059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 53, 165) }
```

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

```
.background{ background-color: rgb(45, 53,  
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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