

Converting Colors

CIELCh(29, 65.558, 306.059)

Have a look what the booklet for
CIELCh(29, 65.558, 306.059)
contains.

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Color

CIELCh(29, 65.527, 305.965)

Conversions

Conversions Part 1

Format	Color
Hex	4A3098
RGB	74, 48, 152
RGB Percent	29%, 19%, 60%
CMY	0.7098, 0.8117, 0.4039
CMYK	0.51, 0.68, 0.00, 0.40
HSL	255°, 52%, 39%
HSV	255°, 68%, 60%
XYZ	9.5502, 5.8380, 30.3334
YIQ	67.6300, -17.8880, 37.8560

Conversions

Conversions Part 2

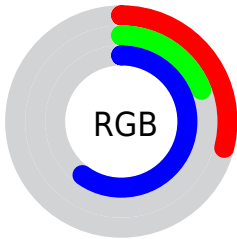
Format	Color
R_{YB}	74, 48, 152
Decimal	4862104
CIE _{Lab}	29.00, 38.48, -53.04
CIE _{LCh}	29, 65.527, 305.965
Yxy	5.8380, 0.2089, 0.1277
Android (android.graphics.Color)	4283052184 (0xFF4A3098)
YUV	67.6300, 41.5944, 5.5865
Hunter-Lab	24.1619, 28.2699, -57.5205

Details

The CIELCh color **29, 65.527, 305.965** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **59, 55.171, 116.236**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 65.450, 306.109**, and **9, 65.838, 306.112** is the 20% darker color. If you saturate the color by 10%, you get **25, 74.736, 306.887**, and if you desaturate by 10%, it is **34, 55.609, 304.920**.

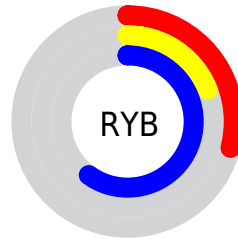
Distribution



Red (29%)

Green (19%)

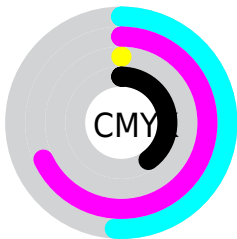
Blue (60%)



Red (29%)

Yellow (19%)

Blue (60%)

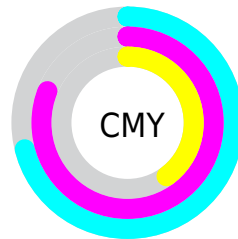


Cyan (51%)

Magenta (68%)

Yellow (0%)

Black (40%)



Cyan (71%)


Magenta (81%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 65.527, 305.965 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, 65.527, 305.965 by changing the saturation by 10% instead.

 29, 65.527,
305.965


 29, 65.527,
305.965

 100, 65.527,
305.965


 19, 65.527,
305.965


 49, 65.527,
305.965


 9, 65.527, 305.965

 59, 65.527,
305.965

 0, 65.527, 305.965

 69, 65.527,
305.965

 79, 65.527,
305.965

 89, 65.527,
305.965

 99, 65.527,

305.965

■ 29, 65.527,
305.965

■ 29, 65.527,
305.965

■ 25, 74.736,
306.887

■ 34, 55.609,
304.920

■ 22, 82.381,
307.512

■ 38, 45.523,
303.866

■ 19, 87.949,
307.789

■ 43, 35.558,
302.870

■ 19, 88.824,
307.858

■ 48, 25.851,
301.961

■ 54, 16.457,
301.150

■ 59, 7.390, 300.436

■ 64, 1.355, 119.836

■ 69, 9.791, 119.280

■ 74, 17.935,
118.812

Harmonies

Complementary

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



29, 65.527, 305.965



59, 55.171, 116.236

Rectangle

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



29, 65.527, 305.965



29, 65.527, 355.965



29, 65.527, 125.965



29, 65.527, 175.965

Sweetspot

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



29, 65.527, 305.966



66, 23.241, 301.382



49, 25.856, 234.190



33, 15.927, 301.585



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



29, 65.527, 305.966



31, 95.412, 307.260



36, 65.005, 319.764



30, 4.995, 300.491



17, 83.687, 307.917



0, 5.315, 299.749

Inverse Universe

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



38, 55.843, 337.437



46, 75.386, 339.009



56, 63.079, 133.693



30, 4.989, 332.893



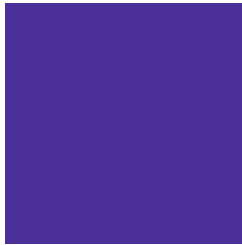
31, 61.411, 340.994



1, 5.308, 332.814

Previews

White Background



This preview shows how the CIELCh color 29, 65.527, 305.965 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 29, 65.527, 305.965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

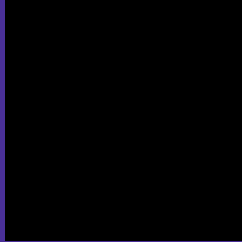
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 65.527, 305.965

Background



This preview shows how black text looks on a background with the CIELCh color 29, 65.527, 305.965.



This preview shows how white text looks on a background with the CIELCh color 29, 65.527, 305.965.

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](#).

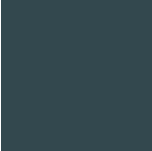
Dichromacy



Original Color
29, 65.527, 305.965

Protanopia
29, 47.811, 285.687

Deuteranopia
29, 34.385, 273.219



Tritanopia
29, 8.972, 223.958

Trichromacy



Original Color
29, 65.527, 305.965

Protanomaly
28, 54.617, 293.057

Deuteranomaly
28, 45.317, 288.577

Tritanomaly
28, 27.152, 292.343

Monochromacy



Original Color
29, 65.527, 305.965

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 24.894, 302.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 65.527, 305.965 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(74, 48, 152)` looks like.

```
.text, #text, p{  
    color:rgb(74, 48, 152)  
}
```

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(74, 48, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 48, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 65.527, 305.965 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(74, 48, 152) }
```

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

```
.border{ border-color:rgb(74, 48, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 48, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 48, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 48, 152);  
box-shadow:4px 4px 4px 4px rgb(74, 48,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 65.527, 305.965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 48, 152) }
```

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

```
.background{ background-color: rgb(74, 48,  
152) }
```

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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