

Converting Colors

CIELCh(29, 41.684, 306.568)

Have a look what the booklet for
CIELCh(29, 41.684, 306.568)
contains.

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Color

CIELCh(29, 42.244, 306.839)

Conversions

Conversions Part 1

Format	Color
Hex	4E3879
RGB	78, 56, 121
RGB Percent	31%, 22%, 47%
CMY	0.6939, 0.7802, 0.5252
CMYK	0.36, 0.54, 0.00, 0.53
HSL	260°, 37%, 35%
HSV	260°, 54%, 47%
XYZ	8.0188, 5.8380, 18.8134
YIQ	69.9880, -7.7530, 24.8790

Conversions

Conversions Part 2

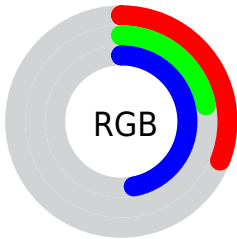
Format	Color
R _Y B	78, 56, 121
Decimal	5126265
CIE Lab	29.00, 25.33, -33.81
CIE LCh	29, 42.244, 306.839
Yxy	5.8380, 0.2454, 0.1787
Android (android.graphics.Color)	4283316345 (0xFF4E3879)
YUV	69.9880, 25.1489, 7.0265
Hunter-Lab	24.1619, 16.9564, -29.2522

Details

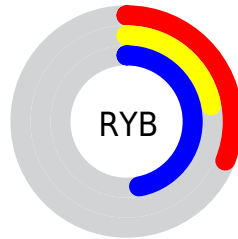
The CIELCh color **29, 42.244, 306.839** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **48, 37.937, 120.529**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **49, 42.047, 306.480**, and **9, 42.318, 306.673** is the 20% darker color. If you saturate the color by 10%, you get **25, 50.430, 307.621**, and if you desaturate by 10%, it is **33, 33.992, 306.052**.

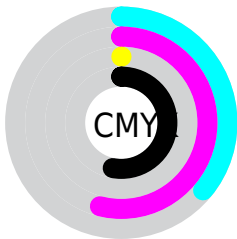
Distribution



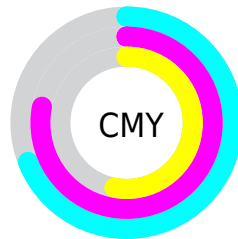
- Red (31%)
- Green (22%)
- Blue (47%)



- Red (31%)
- Yellow (22%)
- Blue (47%)



- Cyan (36%)
- Magenta (54%)
- Yellow (0%)
- Black (53%)





- Cyan (69%)
- Magenta (78%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 42.244, 306.839 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, 42.244, 306.839 by changing the saturation by 10% instead.

 29, 42.244,
306.839

 29, 42.244,
306.839

 100, 42.244,
306.839


 19, 42.244,
306.839


 49, 42.244,
306.839


 9, 42.244, 306.839

 59, 42.244,
306.839

 0, 42.244, 306.839

 69, 42.244,
306.839

 79, 42.244,
306.839

 89, 42.244,
306.839

 99, 42.244,

306.839

■ 29, 42.244,
306.839

■ 29, 42.244,
306.839

■ 25, 50.430,
307.621

■ 33, 33.992,
306.052

■ 22, 58.242,
308.324

■ 37, 25.847,
305.301

■ 19, 65.186,
308.836

■ 41, 17.897,
304.609

■ 16, 70.657,
309.030

■ 45, 10.179,
303.982

■ 15, 73.995,
309.227

■ 49, 2.706, 303.414

■ 53, 4.521, 122.949

■ 58, 11.511,

122.513

■ 62, 18.274,
122.136

■ 66, 24.822,
121.810

Harmonies

Complementary

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



29, 42.244, 306.839



48, 37.937, 120.529

Rectangle

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



29, 42.244, 306.839



29, 42.244, 356.839



29, 42.244, 126.839



29, 42.244, 176.839

Sweetspot

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



29, 42.243, 306.839



57, 14.859, 304.145



40, 18.775, 243.354



28, 10.003, 304.244



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



29, 42.243, 306.839



33, 63.067, 307.763



33, 44.158, 321.999



24, 4.193, 303.715



15, 75.724, 309.194



36, 128.289, 308.677

Inverse Universe

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



34, 36.235, 340.180



41, 51.914, 341.477



46, 43.531, 136.627



24, 3.887, 336.461



27, 53.509, 346.960



56, 89.165, 348.339

Previews

White Background



This preview shows how the CIELCh color 29, 42.244, 306.839 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, 42.244, 306.839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

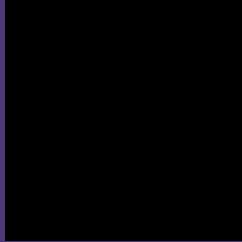
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 42.244, 306.839

Background



This preview shows how black text looks on a background with the CIELCh color 29, 42.244, 306.839.



This preview shows how white text looks on a background with the CIELCh color 29, 42.244, 306.839.

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, 42.244, 306.839

Protanopia

29, 42.555, 286.634

Deuteranopia

29, 32.371, 277.737



Tritanopia
29, 3.866, 290.920

Trichromacy



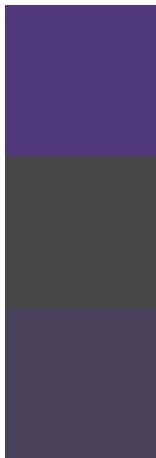
Original Color
29, 42.244, 306.839

Protanomaly
28, 42.417, 292.590

Deuteranomaly
28, 35.520, 288.723

Tritanomaly
29, 17.773, 303.509

Monochromacy



Original Color
29, 42.244, 306.839

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 15.854, 304.584

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 42.244, 306.839 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(78, 56, 121)` looks like.

```
.text, #text, p{  
    color:rgb(78, 56, 121)  
}
```

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(78, 56, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 56, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 42.244, 306.839 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(78, 56, 121) }
```

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

```
.border{ border-color:rgb(78, 56, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 56, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 56, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 56, 121);  
box-shadow:4px 4px 4px 4px rgb(78, 56,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 42.244, 306.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 56, 121) }
```

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

```
.background{ background-color: rgb(78, 56,  
121) }
```

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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