

Converting Colors

CIELCh(29, 49.663, 309.033)

Have a look what the booklet for
CIELCh(29, 49.663, 309.033)
contains.

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Color

CIELCh(29, 49.751, 309.140)

Conversions

Conversions Part 1

Format	Color
Hex	533481
RGB	83, 52, 129
RGB Percent	33%, 20%, 51%
CMY	0.6756, 0.7970, 0.4952
CMYK	0.36, 0.60, 0.00, 0.50
HSL	264°, 43%, 35%
HSV	264°, 60%, 50%
XYZ	8.7039, 5.8380, 21.3398
YIQ	70.0470, -6.2410, 30.5190

Conversions

Conversions Part 2

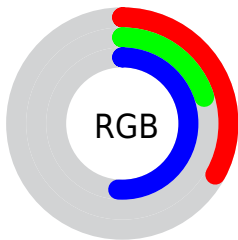
Format	Color
R_{YB}	83, 52, 129
Decimal	5452929
CIE _{Lab}	29.00, 31.40, -38.59
CIE _{LCh}	29, 49.751, 309.140
Yxy	5.8380, 0.2426, 0.1627
Android (android.graphics.Color)	4283643009 (0xFF533481)
YUV	70.0470, 29.0638, 11.3598
Hunter-Lab	24.1619, 22.0177, -35.4515

Details

The CIELCh color **29, 49.751, 309.140** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **50, 44.588, 122.867**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **49, 49.412, 309.026**, and **9, 49.660, 309.161** is the 20% darker color. If you saturate the color by 10%, you get **25, 57.964, 309.719**, and if you desaturate by 10%, it is **33, 41.197, 308.490**.

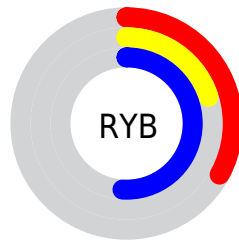
Distribution



Red (33%)

Green (20%)

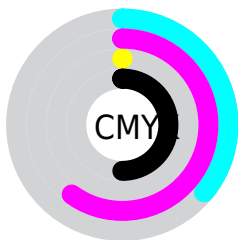
Blue (51%)



Red (33%)

Yellow (20%)

Blue (51%)

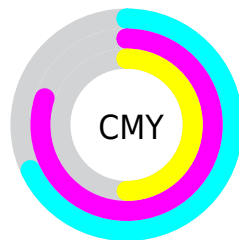


Cyan (36%)

Magenta (60%)

Yellow (0%)

Black (50%)



Cyan (68%)


Magenta (80%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 49.751, 309.140 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, 49.751, 309.140 by changing the saturation by 10% instead.

 29, 49.751,
309.140

 29, 49.751,
309.140

 100, 49.751,
309.140


 19, 49.751,
309.140

 49, 49.751,
309.140

 9, 49.751, 309.140

 59, 49.751,
309.140

 0, 49.751, 309.140

 69, 49.751,
309.140

 79, 49.751,
309.140

 89, 49.751,
309.140

 99, 49.751,

309.140

■ 29, 49.751,
309.140

■ 29, 49.751,
309.140

■ 25, 57.964,
309.719

■ 33, 41.197,
308.490

■ 22, 65.393,
310.133

■ 37, 32.587,
307.829

■ 19, 71.430,
310.261

■ 41, 24.082,
307.191

■ 17, 76.332,
310.234

■ 45, 15.768,
306.598

■ 17, 76.440,
310.237

■ 50, 7.685, 306.055

■ 54, 0.152, 125.984

■ 58, 7.741, 125.159

■ 62, 15.088,
124.778

■ 67, 22.203,
124.446

Harmonies

Complementary

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



29, 49.751, 309.140



50, 44.588, 122.867

Rectangle

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



29, 49.751, 309.140



29, 49.751, 359.140



29, 49.751, 129.140



29, 49.751, 179.140

Sweetspot

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



29, 49.750, 309.140



59, 17.816, 306.521



40, 22.779, 254.687



29, 12.368, 306.662



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



29, 49.750, 309.140



33, 74.183, 309.907



34, 51.498, 324.256



25, 4.383, 306.019



17, 75.908, 310.248



0, 0.000, 0.000

Inverse Universe

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



34, 40.173, 344.323



41, 57.058, 346.386



48, 51.339, 137.622



25, 3.844, 339.362



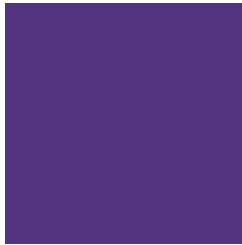
27, 52.513, 352.044



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 29, 49.751, 309.140 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, 49.751, 309.140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

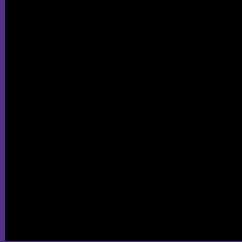
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 49.751, 309.140

Background



This preview shows how black text looks on a background with the CIELCh color 29, 49.751, 309.140.



This preview shows how white text looks on a background with the CIELCh color 29, 49.751, 309.140.

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, 49.751, 309.140

Protanopia

29, 48.402, 286.020

Deuteranopia

29, 36.046, 275.140



Tritanopia
29, 4.262, 314.953

Trichromacy



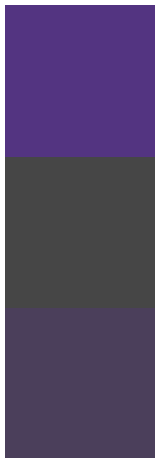
Original Color
29, 49.751, 309.140

Protanomaly
28, 48.970, 290.974

Deuteranomaly
28, 40.938, 286.605

Tritanomaly
28, 21.479, 308.565

Monochromacy



Original Color
29, 49.751, 309.140

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 18.756, 308.057

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 49.751, 309.140 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(83, 52, 129)` looks like.

```
.text, #text, p{  
    color:rgb(83, 52, 129)  
}
```

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(83, 52, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 52, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 49.751, 309.140 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(83, 52, 129) }
```

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

```
.border{ border-color:rgb(83, 52, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 52, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 52, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 52, 129);  
box-shadow:4px 4px 4px 4px rgb(83, 52,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 49.751, 309.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 52, 129) }
```

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

```
.background{ background-color: rgb(83, 52,  
129) }
```

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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