

Converting Colors

CIELCh(29, 78.053, 315.339)

Have a look what the booklet for
CIELCh(29, 78.053, 315.339)
contains.

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Color

CIELCh(29, 78.045, 315.431)

Conversions

Conversions Part 1

Format	Color
Hex	67169B
RGB	103, 22, 155
RGB Percent	40%, 9%, 61%
CMY	0.5957, 0.9132, 0.3918
CMYK	0.34, 0.86, 0.00, 0.39
HSL	277°, 75%, 35%
HSV	277°, 86%, 61%
XYZ	11.8190, 5.8380, 31.5571
YIQ	61.3810, 5.5830, 58.5350

Conversions

Conversions Part 2

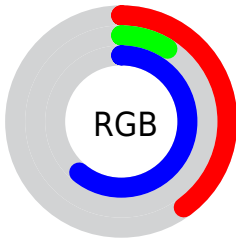
Format	Color
RYB	103, 22, 155
Decimal	6755995
CIELab	29.00, 55.60, -54.77
CIElCh	29, 78.045, 315.431
Yxy	5.8380, 0.2402, 0.1186
Android (android.graphics.Color)	4284946075 (0xFF67169B)
YUV	61.3810, 46.1542, 36.4999
Hunter-Lab	24.1619, 45.0312, -60.5234

Details

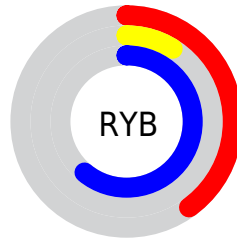
The CIELCh color **29, 78.045, 315.431** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **57, 72.199, 130.058**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 78.097, 315.540**, and **13, 64.318, 311.565** is the 20% darker color. If you saturate the color by 10%, you get **27, 82.377, 314.998**, and if you desaturate by 10%, it is **32, 71.663, 315.555**.

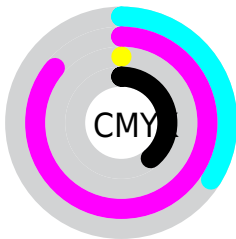
Distribution



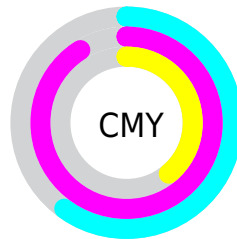
- Red (40%)
- Green (9%)
- Blue (61%)



- Red (40%)
- Yellow (9%)
- Blue (61%)



- Cyan (34%)
- Magenta (86%)
- Yellow (0%)
- Black (39%)




- Cyan (60%)
- Magenta (91%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 78.045, 315.431 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, 78.045, 315.431 by changing the saturation by 10% instead.

 29, 78.045,
315.431


 29, 78.045,
315.431

 100, 78.045,
315.431


 19, 78.045,
315.431


 49, 78.045,
315.431


 9, 78.045, 315.431

 59, 78.045,
315.431

 0, 78.045, 315.431

 69, 78.045,
315.431

 79, 78.045,
315.431

 89, 78.045,
315.431

 99, 78.045,

315.431

■ 29, 78.045,
315.431

■ 29, 78.045,
315.431

■ 27, 82.377,
314.998

■ 32, 71.663,
315.555

■ 26, 84.009,
314.802

■ 35, 63.653,
315.434

■ 39, 54.568,
315.148

■ 43, 44.882,
314.762

■ 48, 34.938,
314.327

■ 52, 24.965,
313.875

■ 57, 15.105,
313.428

■ 61, 5.442, 312.990

■ 66, 3.981, 132.651

Harmonies

Complementary

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



29, 78.045, 315.431



57, 72.199, 130.058

Rectangle

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



29, 78.045, 315.431



29, 78.045, 5.431



29, 78.045, 135.431



29, 78.045, 185.431

Sweetspot

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



29, 78.045, 315.431



66, 31.234, 313.910



33, 50.324, 286.404



33, 21.401, 314.055



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



29, 78.045, 315.431



35, 102.131, 314.593



37, 70.940, 331.929



30, 5.325, 313.143



23, 78.001, 314.897



1, 5.682, 312.440

Inverse Universe

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



34, 54.931, 5.501



43, 71.186, 12.886



56, 75.076, 138.550



30, 3.904, 350.735



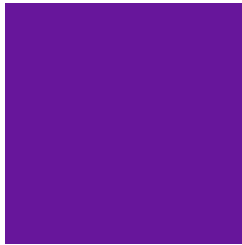
29, 54.316, 11.247



1, 4.143, 350.376

Previews

White Background



This preview shows how the CIE LCh color 29, 78.045, 315.431 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, 78.045, 315.431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

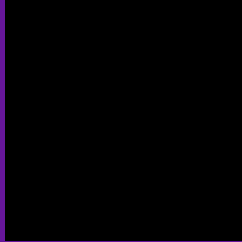
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 78.045, 315.431

Background



This preview shows how black text looks on a background with the CIELCh color 29, 78.045, 315.431.



This preview shows how white text looks on a background with the CIELCh color 29, 78.045, 315.431.

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, 78.045, 315.431

Protanopia
29, 48.332, 285.712

Deuteranopia
30, 34.377, 272.409



Tritanopia
29, 11.393, 5.316

Trichromacy



Original Color
29, 78.045, 315.431

Protanomaly
26, 61.713, 298.165

Deuteranomaly
26, 52.470, 295.427

Tritanomaly
28, 36.874, 322.895

Monochromacy



Original Color
29, 78.045, 315.431

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 33.144, 314.705

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 78.045, 315.431 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(103, 22, 155)` looks like.

```
.text, #text, p{  
    color:rgb(103, 22, 155)  
}
```

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(103, 22, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 22, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 78.045, 315.431 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(103, 22, 155) }
```

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

```
.border{ border-color:rgb(103, 22, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 22, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 22, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 22, 155);  
box-shadow:4px 4px 4px 4px rgb(103, 22,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 78.045, 315.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 22, 155) }
```

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

```
.background{ background-color: rgb(103, 22,  
155) }
```

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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