

Converting Colors

CIELCh(31, 70.930, 319.526)

Have a look what the booklet for
CIELCh(31, 70.930, 319.526)
contains.

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Color

CIELCh(31, 70.605, 319.570)

Conversions

Conversions Part 1

Format	Color
Hex	741D92
RGB	116, 29, 146
RGB Percent	45%, 11%, 57%
CMY	0.5455, 0.8867, 0.4278
CMYK	0.21, 0.80, 0.00, 0.43
HSL	285°, 67%, 34%
HSV	285°, 80%, 57%
XYZ	12.8065, 6.6515, 27.7629
YIQ	68.3510, 14.2950, 54.8310

Conversions

Conversions Part 2

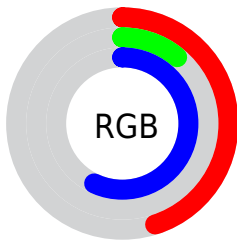
Format	Color
R_{YB}	116, 29, 146
Decimal	7609746
CIE _{Lab}	31.00, 53.74, -45.79
CIE _{LCh}	31, 70.605, 319.570
Y _{xy}	6.6515, 0.2712, 0.1409
Android (android.graphics.Color)	4285799826 (0xFF741D92)
Y _{UV}	68.3510, 38.2810, 41.7882
Hunter-Lab	25.7905, 43.5023, -45.7711

Details

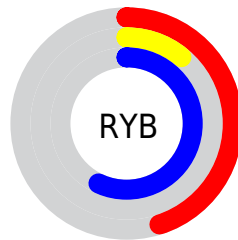
The CIELCh color **31, 70.605, 319.570** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **54, 68.523, 133.256**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 70.870, 319.405**, and **15, 57.914, 316.780** is the 20% darker color. If you saturate the color by 10%, you get **29, 75.209, 319.333**, and if you desaturate by 10%, it is **34, 64.196, 319.582**.

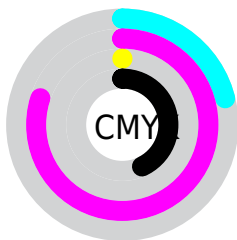
Distribution



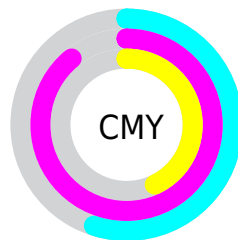
- Red (45%)
- Green (11%)
- Blue (57%)



- Red (45%)
- Yellow (11%)
- Blue (57%)



- Cyan (21%)
- Magenta (80%)
- Yellow (0%)
- Black (43%)





- Cyan (55%)
- Magenta (89%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 70.605, 319.570 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 31, 70.605, 319.570 by changing the saturation by 10% instead.


 31, 70.605,
319.570


 31, 70.605,
319.570

 100, 70.605,
319.570


 21, 70.605,
319.570

 51, 70.605,
319.570


 11, 70.605,
319.570


 61, 70.605,
319.570

 1, 70.605, 319.570

 71, 70.605,
319.570

 0, 70.605, 319.570

 81, 70.605,
319.570

 91, 70.605,
319.570

■ 31, 70.605,
319.570

■ 31, 70.605,
319.570

■ 29, 75.209,
319.333

■ 34, 64.196,
319.582

■ 28, 78.318,
318.936

■ 37, 56.394,
319.419

■ 40, 47.642,
319.135

■ 44, 38.331,
318.771

■ 48, 28.755,
318.363

■ 52, 19.125,
317.936

■ 56, 9.576, 317.504

■ 60, 0.195, 316.322

Harmonies

Complementary

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



31, 70.605, 319.570



54, 68.523, 133.256

Rectangle

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



31, 70.605, 319.570



31, 70.605, 9.570



31, 70.605, 139.570



31, 70.605, 189.570

Sweetspot

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



31, 70.604, 319.570



64, 28.104, 318.120



28, 54.973, 293.132



32, 19.279, 318.257



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



31, 70.604, 319.570



37, 93.585, 318.973



35, 60.031, 337.729



29, 5.357, 317.461



26, 75.071, 318.979



1, 4.645, 317.096

Inverse Universe

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



32, 50.753, 14.487



40, 69.840, 22.949



53, 63.103, 142.931



29, 3.536, 359.839



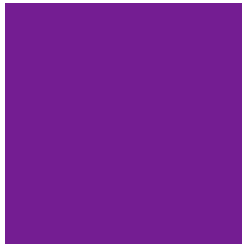
28, 56.200, 23.431



1, 3.032, 359.051

Previews

White Background



This preview shows how the CIELCh color 31, 70.605, 319.570 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 31, 70.605, 319.570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

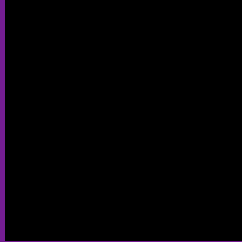
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 70.605, 319.570

Background



This preview shows how black text looks on a background with the CIELCh color 31, 70.605, 319.570.



This preview shows how white text looks on a background with the CIELCh color 31, 70.605, 319.570.

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

31, 70.605, 319.570

Protanopia

32, 50.338, 285.514

Deuteranopia

31, 37.621, 274.646



Tritanopia
31, 19.694, 15.820

Trichromacy



Original Color
31, 70.605, 319.570

Protanomaly
28, 59.376, 297.249

Deuteranomaly
28, 50.719, 294.471

Tritanomaly
30, 35.603, 334.898

Monochromacy



Original Color
31, 70.605, 319.570

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 29.541, 318.662

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 70.605, 319.570 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(116, 29, 146)` looks like.

```
.text, #text, p{  
    color:rgb(116, 29, 146)  
}
```

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(116, 29, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 29, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 70.605, 319.570 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(116, 29, 146) }
```

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

```
.border{ border-color:rgb(116, 29, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 29, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 29, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 29, 146); box-shadow:4px 4px 4px 4px rgb(116, 29, 146) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 70.605, 319.570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 29, 146) }
```

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

```
.background{ background-color: rgb(116, 29,  
146) }
```

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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