

Converting Colors

CIELCh(30, 79.356, 320.985)

Have a look what the booklet for
CIELCh(30, 79.356, 320.985)
contains.

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Color

CIELCh(30, 79.162, 321.049)

Conversions

Conversions Part 1

Format	Color
Hex	790096
RGB	121, 0, 150
RGB Percent	47%, 0%, 59%
CMY	0.5263, 1.0000, 0.4126
CMYK	0.19, 1.00, 0.00, 0.41
HSL	288°, 100%, 29%
HSV	288°, 100%, 59%
XYZ	13.3395, 6.2359, 29.2689
YIQ	53.2790, 23.9660, 72.3020

Conversions

Conversions Part 2

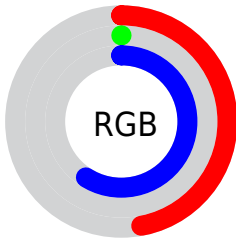
Format	Color
R_{YB}	121, 0, 150
Decimal	7930006
CIE _{Lab}	30.00, 61.56, -49.77
CIE _{LCh}	30, 79.162, 321.049
Yxy	6.2359, 0.2731, 0.1277
Android (android.graphics.Color)	4286120086 (0xFF790096)
YUV	53.2790, 47.6835, 59.3913
Hunter-Lab	24.9718, 51.6512, -52.0123

Details

The CIELCh color **30, 79.162, 321.049** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **54, 78.997, 134.572**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 79.257, 320.966**, and **16, 59.495, 317.133** is the 20% darker color. If you saturate the color by 10%, you get **30, 79.086, 321.039**, and if you desaturate by 10%, it is **31, 76.196, 321.375**.

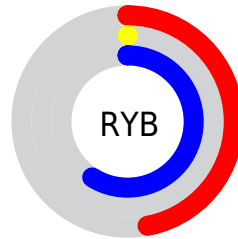
Distribution



Red (47%)

Green (0%)

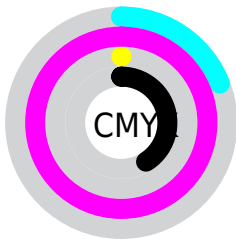
Blue (59%)



Red (47%)

Yellow (0%)

Blue (59%)

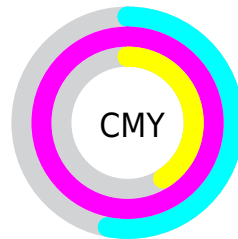


Cyan (19%)

Magenta (100%)

Yellow (0%)

Black (41%)



Cyan (53%)


Magenta (100%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 79.162, 321.049 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 30, 79.162, 321.049 by changing the saturation by 10% instead.


 30, 79.162,
321.049


 30, 79.162,
321.049

 100, 79.162,
321.049


 20, 79.162,
321.049


 50, 79.162,
321.049


 10, 79.162,
321.049

 60, 79.162,
321.049

 0, 79.162, 321.049

 70, 79.162,
321.049

 80, 79.162,
321.049

 90, 79.162,
321.049

■ 30, 79.162,
321.049

■ 30, 79.162,
321.049

■ 30, 79.086,
321.039

■ 31, 76.196,
321.375

■ 33, 71.791,
321.556

■ 36, 65.524,
321.541

■ 38, 57.759,
321.368

■ 42, 48.930,
321.079

■ 46, 39.438,
320.713

■ 49, 29.602,
320.300

■ 54, 19.655,

319.863

■ 58, 9.756, 319.416

Harmonies

Complementary

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



30, 79.162, 321.049



54, 78.997, 134.572

Rectangle

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



30, 79.162, 321.049



30, 79.162, 11.049



30, 79.162, 141.049



30, 79.162, 191.049

Sweetspot

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



30, 79.086, 321.039



63, 36.522, 320.325



21, 77.579, 302.003



31, 24.851, 320.486



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



30, 79.086, 321.039



40, 95.718, 320.906



33, 62.267, 344.527



29, 5.450, 319.379



27, 74.364, 321.090



1, 4.730, 318.999

Inverse Universe

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



31, 62.220, 28.945



41, 76.043, 30.122



54, 70.739, 141.496



29, 3.450, 4.497



28, 58.294, 28.489



1, 2.948, 3.733

Previews

White Background



This preview shows how the CIELCh color 30, 79.162, 321.049 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 30, 79.162, 321.049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

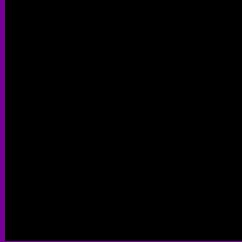
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 79.162, 321.049

Background



This preview shows how black text looks on a background with the CIELCh color 30, 79.162, 321.049.



This preview shows how white text looks on a background with the CIELCh color 30, 79.162, 321.049.

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

30, 79.162, 321.049

Protanopia

31, 50.406, 285.806

Deuteranopia

31, 37.635, 275.017



Tritanopia
31, 23.137, 17.714

Trichromacy



Original Color
30, 79.162, 321.049

Protanomaly
26, 67.256, 301.310

Deuteranomaly
25, 58.265, 299.548

Tritanomaly
29, 43.487, 336.611

Monochromacy



Original Color
30, 79.162, 321.049

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 38.352, 321.578

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 79.162, 321.049 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(121, 0, 150)` looks like.

```
.text, #text, p{  
    color:rgb(121, 0, 150)  
}
```

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(121, 0, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 0, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 79.162, 321.049 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(121, 0, 150) }
```

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

```
.border{ border-color:rgb(121, 0, 150) }
```

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

Here you see how a box with a 4 pixel rgb(121, 0, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 0, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 0, 150);  
box-shadow:4px 4px 4px 4px rgb(121, 0,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 79.162, 321.049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 0, 150) }
```

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

```
.background{ background-color: rgb(121, 0,  
150) }
```

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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