

Converting Colors

CIELCh(30, 75.821, 312.702)

Have a look what the booklet for
CIELCh(30, 75.821, 312.702)
contains.

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Color

CIELCh(30, 75.805, 312.665)

Conversions

Conversions Part 1

Format	Color
Hex	61229F
RGB	97, 34, 159
RGB Percent	38%, 13%, 62%
CMY	0.6183, 0.8654, 0.3752
CMYK	0.39, 0.78, 0.00, 0.38
HSL	270°, 65%, 38%
HSV	270°, 78%, 62%
XYZ	11.8310, 6.2359, 33.5253
YIQ	67.0870, -2.5770, 52.2310

Conversions

Conversions Part 2

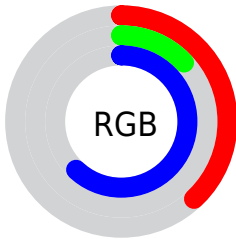
Format	Color
R_{YB}	97, 34, 159
Decimal	6365855
CIE _{Lab}	30.00, 51.37, -55.74
CIE _{LCh}	30, 75.805, 312.665
Yxy	6.2359, 0.2293, 0.1209
Android (android.graphics.Color)	4284555935 (0xFF61229F)
YUV	67.0870, 45.3131, 26.2337
Hunter-Lab	24.9718, 40.8681, -62.1181

Details

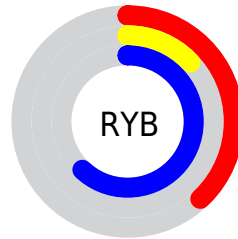
The CIELCh color **30, 75.805, 312.665** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **59, 67.605, 126.536**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 76.024, 312.656**, and **13, 66.703, 310.018** is the 20% darker color. If you saturate the color by 10%, you get **27, 82.358, 312.572**, and if you desaturate by 10%, it is **34, 67.490, 312.468**.

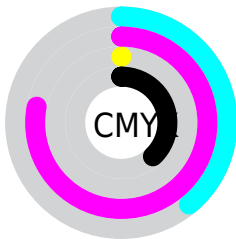
Distribution



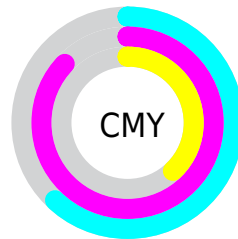
- Red (38%)
- Green (13%)
- Blue (62%)



- Red (38%)
- Yellow (13%)
- Blue (62%)



- Cyan (39%)
- Magenta (78%)
- Yellow (0%)
- Black (38%)





- Cyan (62%)
- Magenta (87%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 75.805, 312.665 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, 75.805, 312.665 by changing the saturation by 10% instead.


 30, 75.805,
312.665


 30, 75.805,
312.665

 100, 75.805,
312.665


 20, 75.805,
312.665


 50, 75.805,
312.665


 10, 75.805,
312.665

 60, 75.805,
312.665

 0, 75.805, 312.665

 70, 75.805,
312.665

 80, 75.805,
312.665

 90, 75.805,
312.665

■ 30, 75.805,
312.665

■ 30, 75.805,
312.665

■ 27, 82.358,
312.572

■ 34, 67.490,
312.468

■ 25, 86.919,
312.169

■ 38, 58.074,
312.085

■ 24, 87.610,
312.117

■ 42, 48.093,
311.601

■ 47, 37.914,
311.076

■ 52, 27.767,
310.549

■ 57, 17.785,
310.042

■ 61, 8.039, 309.564

■ 66, 1.436, 129.217

■ 71, 10.629,
128.769

Harmonies

Complementary

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



30, 75.805, 312.665



59, 67.605, 126.536

Rectangle

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



30, 75.805, 312.665



30, 75.805, 2.665



30, 75.805, 132.665



30, 75.805, 182.665

Sweetspot

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



30, 75.805, 312.665



68, 28.794, 310.343



40, 39.617, 274.288



34, 20.020, 310.516



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



30, 75.805, 312.665



34, 103.905, 312.260



40, 74.578, 327.947



31, 5.347, 309.601



21, 80.786, 312.223



1, 6.875, 308.296

Inverse Universe

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



37, 54.850, 354.706



45, 71.504, 0.310



57, 76.331, 137.395



31, 4.289, 344.578



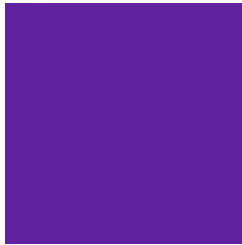
30, 55.091, 1.412



1, 5.453, 345.273

Previews

White Background



This preview shows how the CIE LCh color 30, 75.805, 312.665 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, 75.805, 312.665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

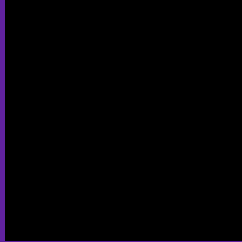
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 75.805, 312.665

Background



This preview shows how black text looks on a background with the CIELCh color 30, 75.805, 312.665.



This preview shows how white text looks on a background with the CIELCh color 30, 75.805, 312.665.

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, 75.805, 312.665

Protanopia

30, 48.785, 285.433

Deuteranopia

30, 35.461, 273.335



Tritanopia
30, 6.195, 342.271

Trichromacy



Original Color
30, 75.805, 312.665

Protanomaly
28, 60.112, 296.349

Deuteranomaly
28, 50.857, 293.117

Tritanomaly
29, 33.272, 314.830

Monochromacy



Original Color
30, 75.805, 312.665

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 31.008, 311.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 75.805, 312.665 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(97, 34, 159)` looks like.

```
.text, #text, p{  
    color:rgb(97, 34, 159)  
}
```

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(97, 34, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 34, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 75.805, 312.665 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(97, 34, 159) }
```

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

```
.border{ border-color:rgb(97, 34, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 34, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 34, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 34, 159);  
box-shadow:4px 4px 4px 4px rgb(97, 34,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 75.805, 312.665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 34, 159) }
```

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

```
.background{ background-color: rgb(97, 34,  
159) }
```

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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