

Converting Colors

CIELCh(30, 92.053, 314.660)

Have a look what the booklet for
CIELCh(30, 92.053, 314.660)
contains.

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Color

CIELCh(30, 92.311, 314.666)

Conversions

Conversions Part 1

Format	Color
Hex	6B00B0
RGB	107, 0, 176
RGB Percent	42%, 0%, 69%
CMY	0.5811, 1.0000, 0.3105
CMYK	0.39, 1.00, 0.00, 0.31
HSL	276°, 100%, 34%
HSV	276°, 100%, 69%
XYZ	13.8589, 6.2359, 41.4616
YIQ	52.0570, 7.2760, 77.4200

Conversions

Conversions Part 2

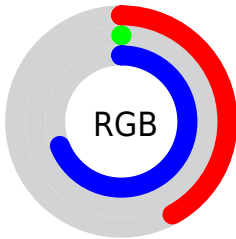
Format	Color
R_{YB}	107, 0, 176
Decimal	7012528
CIE _{Lab}	30.00, 64.89, -65.65
CIE _{LCh}	30, 92.311, 314.666
Yxy	6.2359, 0.2251, 0.1013
Android (android.graphics.Color)	4285202608 (0xFF6B00B0)
YUV	52.0570, 61.1039, 48.1850
Hunter-Lab	24.9718, 55.3634, -80.9611

Details

The CIELCh color **30, 92.311, 314.666** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **64, 85.235, 131.103**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 92.267, 314.613**, and **16, 73.750, 309.988** is the 20% darker color. If you saturate the color by 10%, you get **30, 92.254, 314.656**, and if you desaturate by 10%, it is **32, 88.355, 315.205**.

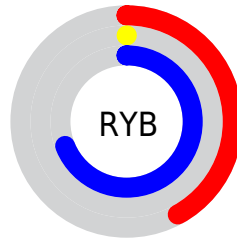
Distribution



Red (42%)

Green (0%)

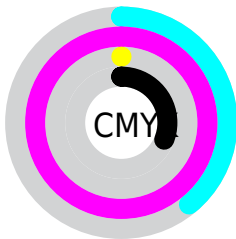
Blue (69%)



Red (42%)

Yellow (0%)

Blue (69%)

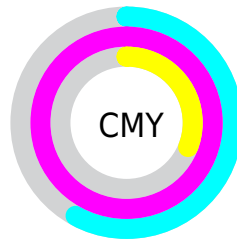


Cyan (39%)

Magenta (100%)

Yellow (0%)

Black (31%)



Cyan (58%)

Magenta (100%)

Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 92.311, 314.666 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, 92.311, 314.666 by changing the saturation by 10% instead.

 30, 92.311,
314.666

 30, 92.311,
314.666


 100, 92.311,
314.666

 20, 92.311,
314.666

 50, 92.311,
314.666


 10, 92.311,
314.666

 60, 92.311,
314.666

 0, 92.311, 314.666

 70, 92.311,
314.666

 80, 92.311,
314.666

 90, 92.311,
314.666

■ 30, 92.311,
314.666

■ 30, 92.311,
314.666

■ 30, 92.254,
314.656

■ 32, 88.355,
315.205

■ 35, 82.422,
315.488

■ 38, 74.366,
315.477

■ 42, 64.807,
315.259

■ 47, 54.338,
314.910

■ 51, 43.417,
314.488

■ 56, 32.360,
314.035

■ 61, 21.368,

313.579

■ 67, 10.562,
313.134

Harmonies

Complementary

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



30, 92.311, 314.666



64, 85.235, 131.103

Rectangle

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



30, 92.311, 314.666



30, 92.311, 4.666



30, 92.311, 134.666



30, 92.311, 184.666

Sweetspot

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



30, 92.254, 314.656



72, 40.202, 314.059



33, 65.873, 292.266



35, 27.481, 314.247



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



30, 92.254, 314.656



40, 112.744, 314.466



41, 80.873, 332.643



34, 5.907, 313.103



25, 82.165, 314.790



1, 12.079, 309.474

Inverse Universe

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



37, 64.237, 12.191



49, 78.569, 13.220



63, 88.606, 136.948



34, 4.336, 350.662



31, 57.192, 11.468



2, 8.650, 354.578

Previews

White Background



This preview shows how the CIELCh color 30, 92.311, 314.666 looks on a white background.

Color Contrast Check

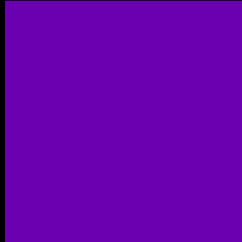
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.311, 314.666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

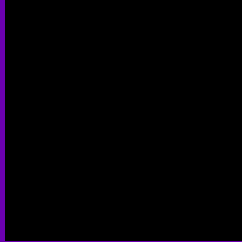
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 92.311, 314.666

Background



This preview shows how black text looks on a background with the CIELCh color 30, 92.311, 314.666.



This preview shows how white text looks on a background with the CIELCh color 30, 92.311, 314.666.

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, 92.311, 314.666

Protanopia

31, 49.821, 285.488

Deuteranopia

31, 35.452, 272.554



Tritanopia
31, 8.212, 358.173

Trichromacy



Original Color
30, 92.311, 314.666

Protanomaly
26, 72.508, 301.208

Deuteranomaly
26, 62.521, 299.315

Tritanomaly
28, 45.313, 319.466

Monochromacy



Original Color
30, 92.311, 314.666

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 43.653, 315.377

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 92.311, 314.666 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(107, 0, 176)` looks like.

```
.text, #text, p{  
    color:rgb(107, 0, 176)  
}
```

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(107, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 0, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 92.311, 314.666 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(107, 0, 176) }
```

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

```
.border{ border-color:rgb(107, 0, 176) }
```

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

Here you see how a box with a 4 pixel rgb(107, 0, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(107, 0,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 92.311, 314.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 0, 176) }
```

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

```
.background{ background-color: rgb(107, 0,  
176) }
```

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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