

Converting Colors

CIELCh(30, 100.938, 311.453)

Have a look what the booklet for
CIELCh(30, 100.938, 311.453)
contains.

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Color

CIELCh(30, 101.272, 311.386)

Conversions

Conversions Part 1

Format	Color
Hex	5D02C1
RGB	93, 2, 193
RGB Percent	36%, 1%, 76%
CMY	0.6348, 0.9914, 0.2427
CMYK	0.52, 0.99, 0.00, 0.24
HSL	269°, 98%, 38%
HSV	269°, 99%, 76%
XYZ	14.1871, 6.2359, 50.9703
YIQ	50.9830, -7.0750, 78.6930

Conversions

Conversions Part 2

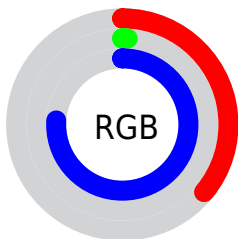
Format	Color
R _Y B	93, 2, 193
Decimal	6095553
CIE Lab	30.00, 66.95, -75.98
CIE LCh	30, 101.272, 311.386
Yxy	6.2359, 0.1987, 0.0873
Android (android.graphics.Color)	4284285633 (0xFF5D02C1)
YUV	50.9830, 70.0144, 36.8489
Hunter-Lab	24.9718, 57.7099, -103.5374

Details

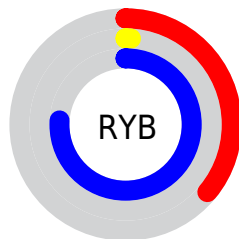
The CIELCh color **30, 101.272, 311.386** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **70, 87.488, 127.174**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 101.176, 311.375**, and **15, 84.165, 306.727** is the 20% darker color. If you saturate the color by 10%, you get **30, 101.786, 311.336**, and if you desaturate by 10%, it is **32, 96.421, 311.858**.

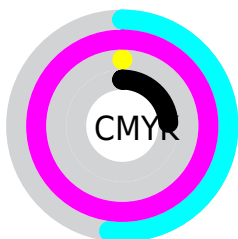
Distribution



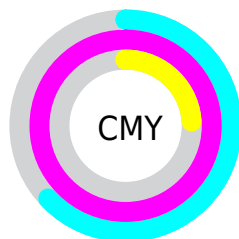
- Red (36%)
- Green (1%)
- Blue (76%)



- Red (36%)
- Yellow (1%)
- Blue (76%)



- Cyan (52%)
- Magenta (99%)
- Yellow (0%)
- Black (24%)





- Cyan (63%)
- Magenta (99%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 101.272, 311.386 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, 101.272, 311.386 by changing the saturation by 10% instead.


 30, 101.272,
311.386


 30, 101.272,
311.386


 100, 101.272,
311.386


 20, 101.272,
311.386


 50, 101.272,
311.386


 10, 101.272,
311.386

 60, 101.272,
311.386

 0, 101.272,
311.386

 70, 101.272,
311.386

 80, 101.272,
311.386

 90, 101.272,
311.386

■ 30, 101.272,
311.386

■ 30, 101.272,
311.386

■ 30, 101.786,
311.336

■ 32, 96.421,
311.858

■ 36, 88.972,
311.962

■ 40, 79.326,
311.746

■ 45, 68.317,
311.326

■ 50, 56.622,
310.800

■ 56, 44.700,
310.233

■ 61, 32.831,
309.668

■ 67, 21.173,

309.129

■ 73, 9.807, 308.626

Harmonies

Complementary

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



30, 101.272, 311.386



70, 87.488, 127.174

Rectangle

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



30, 101.272, 311.386



30, 101.272, 1.386



30, 101.272, 131.386



30, 101.272, 181.386

Sweetspot

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



30, 101.273, 311.387



77, 42.154, 309.757



44, 54.315, 280.253



38, 28.895, 309.997



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



30, 101.273, 311.387



39, 123.775, 311.161



45, 93.677, 326.920



38, 6.296, 308.651



24, 88.678, 311.490



2, 20.135, 304.526

Inverse Universe

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



42, 68.921, 359.479



54, 83.686, 0.598



68, 96.732, 135.930



38, 5.173, 343.109



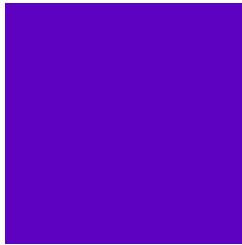
34, 60.342, 359.296



3, 16.047, 350.905

Previews

White Background



This preview shows how the CIELCh color 30, 101.272, 311.386 looks on a white background.

Color Contrast Check

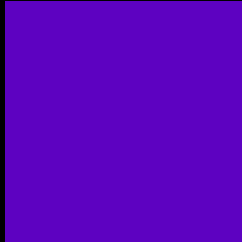
Large Text (above 18pt) WCAG AA ✓ Pass

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, 101.272, 311.386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

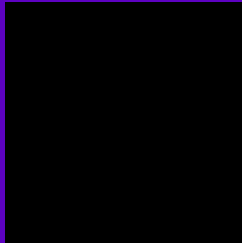
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 101.272, 311.386

Background



This preview shows how black text looks on a background with the CIELCh color 30, 101.272, 311.386.



This preview shows how white text looks on a background with the CIELCh color 30, 101.272, 311.386.

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

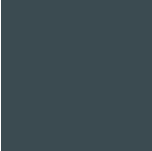
30, 101.272, 311.386

Protanopia

31, 49.889, 285.784

Deuteranopia

31, 34.379, 271.208



Tritanopia
31, 7.349, 230.160

Trichromacy



Original Color
30, 101.272, 311.386

Protanomaly
26, 75.444, 301.028

Deuteranomaly
26, 64.889, 298.780

Tritanomaly
27, 47.583, 306.310

Monochromacy



Original Color
30, 101.272, 311.386

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 47.040, 311.431

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 101.272, 311.386 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(93, 2, 193)` looks like.

```
.text, #text, p{  
    color:rgb(93, 2, 193)  
}
```

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(93, 2, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 2, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 101.272, 311.386 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(93, 2, 193) }
```

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

```
.border{ border-color:rgb(93, 2, 193) }
```

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

Here you see how a box with a 4 pixel rgb(93, 2, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 2, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 2, 193);  
box-shadow:4px 4px 4px 4px rgb(93, 2, 193)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 101.272, 311.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 2, 193) }
```

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

```
.background{ background-color: rgb(93, 2,  
193) }
```

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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