

Converting Colors

CIELCh(29, 97.491, 311.906)

Have a look what the booklet for
CIELCh(29, 97.491, 311.906)
contains.

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Color

CIELCh(29, 97.632, 311.882)

Conversions

Conversions Part 1

Format	Color
Hex	5D02B9
RGB	93, 2, 185
RGB Percent	36%, 1%, 73%
CMY	0.6364, 0.9940, 0.2755
CMYK	0.50, 0.99, 0.00, 0.28
HSL	270°, 98%, 37%
HSV	270°, 99%, 72%
XYZ	13.2329, 5.8380, 46.1884
YIQ	50.0710, -4.5070, 76.2050

Conversions

Conversions Part 2

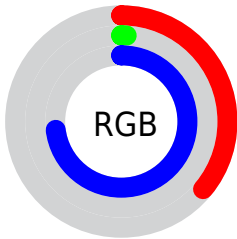
Format	Color
RYB	93, 2, 185
Decimal	6095545
CIELab	29.00, 65.18, -72.69
CIELCh	29, 97.632, 311.882
Yxy	5.8380, 0.2028, 0.0895
Android (android.graphics.Color)	4284285625 (0xFF5D02B9)
YUV	50.0710, 66.5200, 37.6487
Hunter-Lab	24.1619, 55.4765, -96.4265

Details

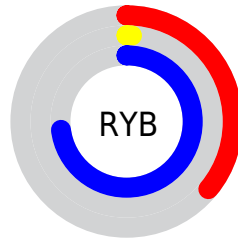
The CIELCh color **29, 97.632, 311.882** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **67, 85.295, 127.891**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 97.343, 311.918**, and **14, 80.161, 307.084** is the 20% darker color. If you saturate the color by 10%, you get **29, 97.999, 311.846**, and if you desaturate by 10%, it is **31, 92.991, 312.366**.

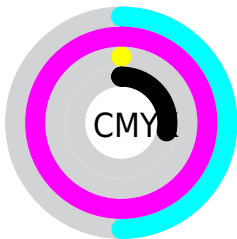
Distribution



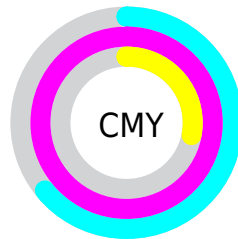
- Red (36%)
- Green (1%)
- Blue (73%)



- Red (36%)
- Yellow (1%)
- Blue (73%)



- Cyan (50%)
- Magenta (99%)
- Yellow (0%)
- Black (28%)




- Cyan (64%)
- Magenta (99%)
- Yellow (28%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 97.632, 311.882 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 29, 97.632, 311.882 by changing the saturation by 10% instead.

 29, 97.632,
311.882


 29, 97.632,
311.882

 100, 97.632,
311.882


 19, 97.632,
311.882


 49, 97.632,
311.882


 9, 97.632, 311.882

 59, 97.632,
311.882

 0, 97.632, 311.882

 69, 97.632,
311.882

 79, 97.632,
311.882

 89, 97.632,
311.882

 99, 97.632,

311.882

■ 29, 97.632,
311.882

■ 29, 97.632,
311.882

■ 29, 97.999,
311.846

■ 31, 92.991,
312.366

■ 35, 85.960,
312.510

■ 39, 76.799,
312.338

■ 43, 66.285,
311.961

■ 48, 55.064,
311.472

■ 53, 43.584,
310.935

■ 59, 32.125,
310.395

■ 64, 20.847,
309.874

■ 70, 9.837, 309.385

Harmonies

Complementary

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



29, 97.632, 311.882



67, 85.295, 127.891

Rectangle

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



29, 97.632, 311.882



29, 97.632, 1.882



29, 97.632, 131.882



29, 97.632, 181.882

Sweetspot

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



29, 97.633, 311.883



74, 40.882, 310.465



41, 54.363, 282.030



36, 28.002, 310.691



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



29, 97.633, 311.883



38, 119.343, 311.661



43, 90.615, 327.573



36, 6.046, 309.393



24, 86.181, 311.996



2, 15.948, 304.829

Inverse Universe

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



40, 66.436, 1.468



52, 80.798, 2.564



65, 93.734, 135.981



36, 4.876, 344.253



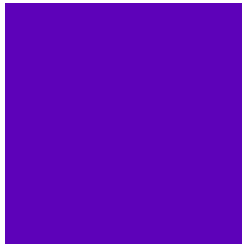
33, 58.673, 1.169



3, 12.223, 350.661

Previews

White Background



This preview shows how the CIE LCh color 29, 97.632, 311.882 looks on a white background.

Color Contrast Check

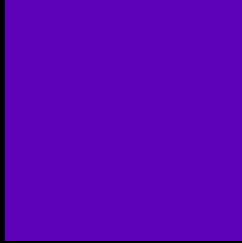
Large Text (above 18pt) WCAG AA ✓ Pass

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 29, 97.632, 311.882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

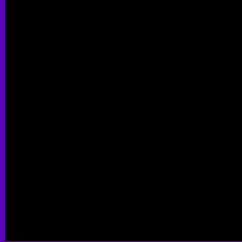
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 97.632, 311.882

Background



This preview shows how black text looks on a background with the CIELCh color 29, 97.632, 311.882.



This preview shows how white text looks on a background with the CIELCh color 29, 97.632, 311.882.

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

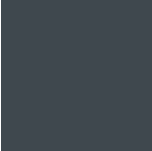
29, 97.632, 311.882

Protanopia

30, 48.264, 285.405

Deuteranopia

30, 33.838, 271.311



Tritanopia
30, 5.269, 246.031

Trichromacy



Original Color
29, 97.632, 311.882

Protanomaly
26, 72.730, 300.913

Deuteranomaly
25, 63.320, 298.987

Tritanomaly
26, 46.684, 308.931

Monochromacy



Original Color
29, 97.632, 311.882

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 45.358, 312.431

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 97.632, 311.882 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(93, 2, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 2, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 97.632, 311.882 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, 185) }
```

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

```
.border{ border-color:rgb(93, 2, 185) }
```

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, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 2, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 2, 185);  
box-shadow:4px 4px 4px 4px rgb(93, 2, 185)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 97.632, 311.882 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, 185) }
```

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

```
.background{ background-color: rgb(93, 2,  
185) }
```

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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