

Converting Colors

CIELCh(28, 91.675, 313.693)

Have a look what the booklet for
CIELCh(28, 91.675, 313.693)
contains.

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Color

CIELCh(28, 91.119, 313.599)

Conversions

Conversions Part 1

Format	Color
Hex	6100AB
RGB	97, 0, 171
RGB Percent	38%, 0%, 67%
CMY	0.6203, 1.0000, 0.3301
CMYK	0.43, 1.00, 0.00, 0.33
HSL	274°, 100%, 33%
HSV	274°, 100%, 67%
XYZ	12.2396, 5.4574, 38.8462
YIQ	48.4970, 2.9210, 73.7450

Conversions

Conversions Part 2

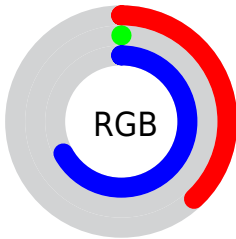
Format	Color
RYB	97, 0, 171
Decimal	6357163
CIELab	28.00, 62.84, -65.99
CIElCh	28, 91.119, 313.599
Yxy	5.4574, 0.2165, 0.0965
Android (android.graphics.Color)	4284547243 (0xFF6100AB)
YUV	48.4970, 60.3940, 42.5371
Hunter-Lab	23.3610, 52.6404, -82.2385

Details

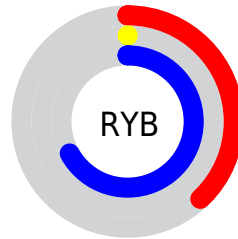
The CIELCh color **28, 91.119, 313.599** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **62, 82.418, 129.989**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 91.490, 313.575**, and **13, 72.798, 308.574** is the 20% darker color. If you saturate the color by 10%, you get **28, 91.057, 313.587**, and if you desaturate by 10%, it is **30, 86.937, 314.103**.

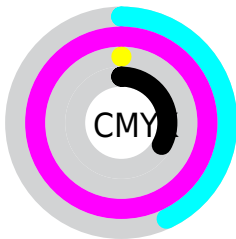
Distribution



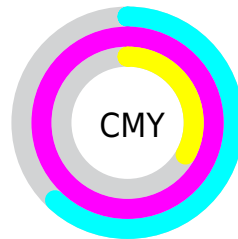
- Red (38%)
- Green (0%)
- Blue (67%)



- Red (38%)
- Yellow (0%)
- Blue (67%)



- Cyan (43%)
- Magenta (100%)
- Yellow (0%)
- Black (33%)





- Cyan (62%)
- Magenta (100%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 91.119, 313.599 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 28, 91.119, 313.599 by changing the saturation by 10% instead.


 28, 91.119,
313.599


 28, 91.119,
313.599


 100, 91.119,
313.599


 18, 91.119,
313.599


 48, 91.119,
313.599


 8, 91.119, 313.599

 58, 91.119,
313.599

 0, 91.119, 313.599

 68, 91.119,
313.599

 78, 91.119,
313.599

 88, 91.119,
313.599

 98, 91.119,

313.599

■ 28, 91.119,
313.599

■ 28, 91.119,
313.599

■ 28, 91.057,
313.587

■ 30, 86.937,
314.103

■ 33, 80.848,
314.348

■ 36, 72.716,
314.291

■ 41, 63.190,
314.027

■ 45, 52.856,
313.636

■ 50, 42.153,
313.181

■ 55, 31.372,
312.703

■ 60, 20.693,
312.229

■ 65, 10.220,
311.773

Harmonies

Complementary

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



28, 91.119, 313.599



62, 82.418, 129.989

Rectangle

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



28, 91.119, 313.599



28, 91.119, 3.599



28, 91.119, 133.599



28, 91.119, 183.599

Sweetspot

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



28, 91.057, 313.587



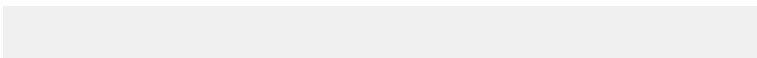
70, 38.825, 312.729



34, 60.522, 289.685



34, 26.795, 312.925



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



28, 91.057, 313.587



37, 110.846, 313.389



40, 81.258, 331.058



33, 5.709, 311.741



24, 81.819, 313.718



1, 10.129, 308.738

Inverse Universe

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



36, 62.553, 8.123



47, 76.076, 9.097



61, 87.444, 136.609



33, 4.337, 348.169



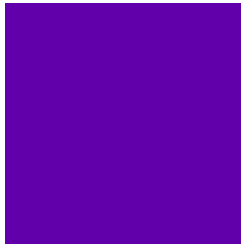
31, 56.251, 7.486



2, 7.518, 351.109

Previews

White Background



This preview shows how the CIELCh color 28, 91.119, 313.599 looks on a white background.

Color Contrast Check

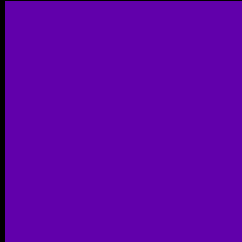
Large Text (above 18pt) WCAG AA ✓ Pass

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 28, 91.119, 313.599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

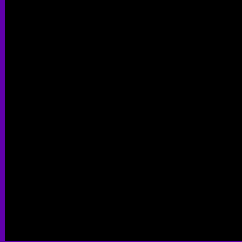
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 91.119, 313.599

Background



This preview shows how black text looks on a background with the CIELCh color 28, 91.119, 313.599.



This preview shows how white text looks on a background with the CIELCh color 28, 91.119, 313.599.

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

28, 91.119, 313.599

Protanopia

29, 47.153, 285.031

Deuteranopia

29, 33.294, 271.418



Tritanopia
29, 4.473, 334.248

Trichromacy



Original Color
28, 91.119, 313.599

Protanomaly
25, 69.392, 300.833

Deuteranomaly
24, 60.536, 299.167

Tritanomaly
26, 43.702, 314.952

Monochromacy



Original Color
28, 91.119, 313.599

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 42.528, 314.047

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 91.119, 313.599 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, 0, 171)` looks like.

```
.text, #text, p{  
    color:rgb(97, 0, 171)  
}
```

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, 0, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 0, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 91.119, 313.599 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, 0, 171) }
```

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

```
.border{ border-color:rgb(97, 0, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 0, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(97, 0, 171)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 91.119, 313.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 0, 171) }
```

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

```
.background{ background-color: rgb(97, 0,  
171) }
```

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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