

Converting Colors

CIELCh(28, 88.838, 314.504)

Have a look what the booklet for
CIELCh(28, 88.838, 314.504)
contains.

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Color

CIELCh(28, 88.473, 314.562)

Conversions

Conversions Part 1

Format	Color
Hex	6400A6
RGB	100, 0, 166
RGB Percent	39%, 0%, 65%
CMY	0.6080, 1.0000, 0.3492
CMYK	0.40, 1.00, 0.00, 0.35
HSL	276°, 100%, 33%
HSV	276°, 100%, 65%
XYZ	12.1300, 5.4574, 36.4721
YIQ	48.8240, 6.3140, 72.8260

Conversions

Conversions Part 2

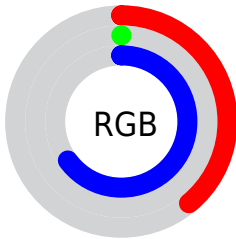
Format	Color
RYB	100, 0, 166
Decimal	6553766
CIELab	28.00, 62.08, -63.04
CIElCh	28, 88.473, 314.562
Yxy	5.4574, 0.2244, 0.1010
Android (android.graphics.Color)	4284743846 (0xFF6400A6)
YUV	48.8240, 57.7678, 44.8814
Hunter-Lab	23.3610, 51.8023, -76.2131

Details

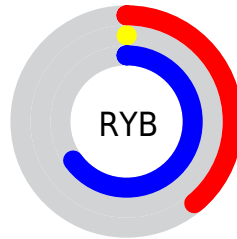
The CIELCh color **28, 88.473, 314.562** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **60, 81.490, 130.905**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 88.561, 314.536**, and **13, 70.173, 309.548** is the 20% darker color. If you saturate the color by 10%, you get **28, 88.459, 314.560**, and if you desaturate by 10%, it is **30, 84.546, 315.078**.

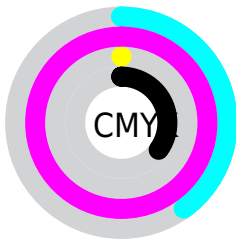
Distribution



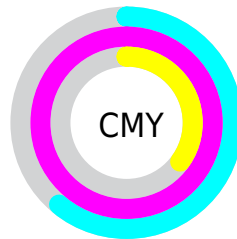
- Red (39%)
- Green (0%)
- Blue (65%)



- Red (39%)
- Yellow (0%)
- Blue (65%)



- Cyan (40%)
- Magenta (100%)
- Yellow (0%)
- Black (35%)




- Cyan (61%)
- Magenta (100%)
- Yellow (35%)
- Black (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 88.473, 314.562 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, 88.473, 314.562 by changing the saturation by 10% instead.

 28, 88.473,
314.562


 28, 88.473,
314.562

 100, 88.473,
314.562

 18, 88.473,
314.562

 48, 88.473,
314.562

 8, 88.473, 314.562

 58, 88.473,
314.562

 0, 88.473, 314.562

 68, 88.473,
314.562

 78, 88.473,
314.562

 88, 88.473,
314.562

 98, 88.473,

314.562

■ 28, 88.473,
314.562

■ 28, 88.473,
314.562

■ 28, 88.459,
314.560

■ 30, 84.546,
315.078

■ 33, 78.771,
315.343

■ 36, 70.999,
315.320

■ 40, 61.827,
315.094

■ 44, 51.811,
314.739

■ 49, 41.384,
314.314

■ 53, 30.838,
313.860

■ 58, 20.361,
313.404

■ 63, 10.063,
312.960

Harmonies

Complementary

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



28, 88.473, 314.562



60, 81.490, 130.905

Rectangle

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



28, 88.473, 314.562



28, 88.473, 4.562



28, 88.473, 134.562



28, 88.473, 184.562

Sweetspot

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



28, 88.459, 314.560



68, 38.339, 313.885



31, 62.822, 292.080



34, 26.446, 314.071



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



28, 88.459, 314.560



37, 108.085, 314.358



38, 77.517, 332.622



33, 5.755, 312.929



25, 81.221, 314.663



1, 10.205, 309.924

Inverse Universe

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



35, 61.464, 11.433



46, 75.140, 12.510



59, 84.801, 136.997



33, 4.243, 350.333



31, 56.427, 10.886



2, 7.381, 353.095

Previews

White Background



This preview shows how the CIELCh color 28, 88.473, 314.562 looks on a white background.

Color Contrast Check

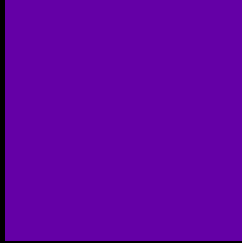
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.473, 314.562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

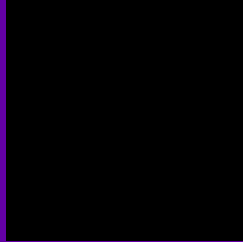
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 88.473, 314.562

Background



This preview shows how black text looks on a background with the CIELCh color 28, 88.473, 314.562.



This preview shows how white text looks on a background with the CIELCh color 28, 88.473, 314.562.

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, 88.473, 314.562

Protanopia
29, 47.153, 285.031

Deuteranopia
29, 33.835, 272.127



Tritanopia
29, 7.458, 355.344

Trichromacy



Original Color
28, 88.473, 314.562

Protanomaly
25, 68.225, 300.812

Deuteranomaly
24, 59.919, 299.222

Tritanomaly
26, 43.592, 318.618

Monochromacy



Original Color
28, 88.473, 314.562

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 41.994, 315.289

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 88.473, 314.562 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(100, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(100, 0, 166)  
}
```

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(100, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 0, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 88.473, 314.562 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(100, 0, 166) }
```

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

```
.border{ border-color:rgb(100, 0, 166) }
```

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

Here you see how a box with a 4 pixel rgb(100, 0, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(100, 0,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 88.473, 314.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 0, 166) }
```

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

```
.background{ background-color: rgb(100, 0,  
166) }
```

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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