

Converting Colors

CIELCh(28, 81.409, 318.177)

Have a look what the booklet for
CIELCh(28, 81.409, 318.177)
contains.

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Color

CIELCh(28, 81.076, 318.047)

Conversions

Conversions Part 1

Format	Color
Hex	6D0098
RGB	109, 0, 152
RGB Percent	43%, 0%, 60%
CMY	0.5743, 1.0000, 0.4056
CMYK	0.28, 1.00, 0.00, 0.41
HSL	283°, 100%, 30%
HSV	283°, 100%, 59%
XYZ	11.8739, 5.4574, 29.9455
YIQ	49.9190, 16.1720, 70.3800

Conversions

Conversions Part 2

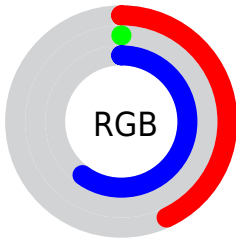
Format	Color
RYB	109, 0, 152
Decimal	7143576
CIELab	28.00, 60.30, -54.20
CIELCh	28, 81.076, 318.047
Yxy	5.4574, 0.2512, 0.1154
Android (android.graphics.Color)	4285333656 (0xFF6D0098)
YUV	49.9190, 50.3259, 51.8140
Hunter-Lab	23.3610, 49.8456, -59.6486

Details

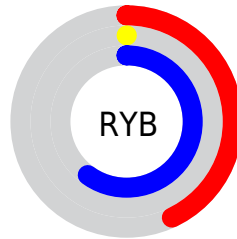
The CIELCh color **28, 81.076, 318.047** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **55, 78.350, 133.247**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 80.902, 318.014**, and **14, 62.036, 313.260** is the 20% darker color. If you saturate the color by 10%, you get **28, 80.916, 318.020**, and if you desaturate by 10%, it is **30, 77.609, 318.466**.

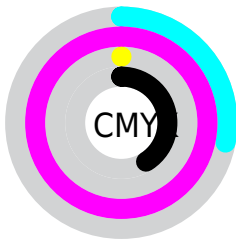
Distribution



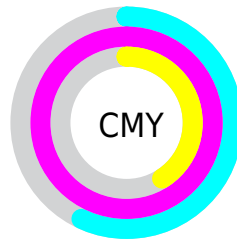
- Red (43%)
- Green (0%)
- Blue (60%)



- Red (43%)
- Yellow (0%)
- Blue (60%)



- Cyan (28%)
- Magenta (100%)
- Yellow (0%)
- Black (41%)





- Cyan (57%)
- Magenta (100%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 81.076, 318.047 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, 81.076, 318.047 by changing the saturation by 10% instead.

 28, 81.076,
318.047


 28, 81.076,
318.047

 100, 81.076,
318.047


 18, 81.076,
318.047


 48, 81.076,
318.047


 8, 81.076, 318.047

 58, 81.076,
318.047

 0, 81.076, 318.047

 68, 81.076,
318.047

 78, 81.076,
318.047

 88, 81.076,
318.047

 98, 81.076,

318.047

■ 28, 81.076,
318.047

■ 28, 81.076,
318.047

■ 28, 80.916,
318.020

■ 30, 77.609,
318.466

■ 32, 72.734,
318.721

■ 35, 66.000,
318.736

■ 38, 57.855,
318.570

■ 41, 48.771,
318.279

■ 45, 39.149,
317.909

■ 50, 29.289,
317.498

■ 54, 19.399,
317.069

■ 58, 9.611, 316.638

Harmonies

Complementary

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



28, 81.076, 318.047



55, 78.350, 133.247

Rectangle

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



28, 81.076, 318.047



28, 81.076, 8.047



28, 81.076, 138.047



28, 81.076, 188.047

Sweetspot

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



28, 80.916, 318.020



63, 36.181, 317.523



24, 68.717, 297.816



31, 24.915, 317.685



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



28, 80.916, 318.020



37, 98.093, 317.843



34, 67.272, 337.971



30, 5.470, 316.605



26, 76.437, 318.082



1, 5.841, 315.864

Inverse Universe

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



31, 59.627, 21.589



41, 72.725, 22.824



54, 75.928, 138.829



30, 3.684, 357.884



29, 56.214, 21.158



1, 3.898, 357.425

Previews

White Background



This preview shows how the CIELCh color 28, 81.076, 318.047 looks on a white background.

Color Contrast Check

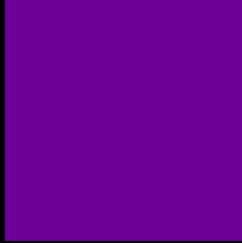
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.076, 318.047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

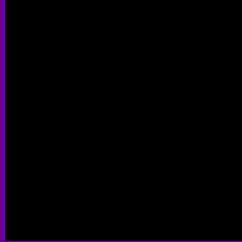
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 81.076, 318.047

Background



This preview shows how black text looks on a background with the CIELCh color 28, 81.076, 318.047.



This preview shows how white text looks on a background with the CIELCh color 28, 81.076, 318.047.

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, 81.076, 318.047

Protanopia

29, 47.743, 285.376

Deuteranopia

29, 34.380, 272.813



Tritanopia
29, 16.565, 11.626

Trichromacy



Original Color
28, 81.076, 318.047

Protanomaly
24, 65.842, 300.923

Deuteranomaly
24, 57.463, 299.347

Tritanomaly
26, 41.945, 328.876

Monochromacy



Original Color
28, 81.076, 318.047

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 38.637, 318.337

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 81.076, 318.047 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(109, 0, 152)` looks like.

```
.text, #text, p{  
    color:rgb(109, 0, 152)  
}
```

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(109, 0, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 0, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 81.076, 318.047 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(109, 0, 152) }
```

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

```
.border{ border-color:rgb(109, 0, 152) }
```

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

Here you see how a box with a 4 pixel rgb(109, 0, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 0, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 0, 152);  
box-shadow:4px 4px 4px 4px rgb(109, 0,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 81.076, 318.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 0, 152) }
```

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

```
.background{ background-color: rgb(109, 0,  
152) }
```

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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