

Converting Colors

CIELCh(28, 68.132, 309.560)

Have a look what the booklet for
CIELCh(28, 68.132, 309.560)
contains.

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Color

CIELCh(28, 68.275, 309.503)

Conversions

Conversions Part 1

Format	Color
Hex	522895
RGB	82, 40, 149
RGB Percent	32%, 16%, 58%
CMY	0.6791, 0.8438, 0.4164
CMYK	0.45, 0.73, 0.00, 0.42
HSL	263°, 58%, 37%
HSV	263°, 73%, 58%
XYZ	9.6289, 5.4574, 28.9075
YIQ	64.9840, -9.9570, 42.8030

Conversions

Conversions Part 2

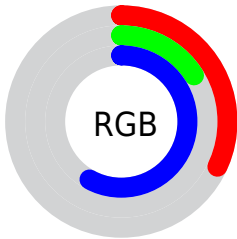
Format	Color
R_{YB}	82, 40, 149
Decimal	5384341
CIE _{Lab}	28.00, 43.43, -52.68
CIE _{LCh}	28, 68.275, 309.503
Yxy	5.4574, 0.2189, 0.1240
Android (android.graphics.Color)	4283574421 (0xFF522895)
YUV	64.9840, 41.4199, 14.9230
Hunter-Lab	23.3610, 32.6922, -57.0140

Details

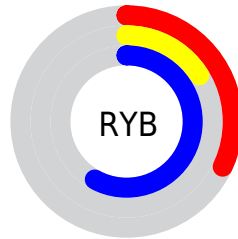
The CIELCh color **28, 68.275, 309.503** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **57, 58.951, 122.000**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 68.298, 309.490**, and **9, 64.253, 307.995** is the 20% darker color. If you saturate the color by 10%, you get **25, 76.114, 309.856**, and if you desaturate by 10%, it is **32, 59.268, 308.932**.

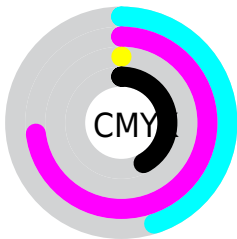
Distribution



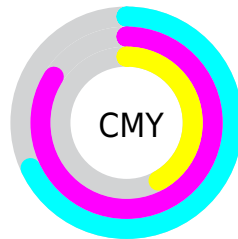
- Red (32%)
- Green (16%)
- Blue (58%)



- Red (32%)
- Yellow (16%)
- Blue (58%)



- Cyan (45%)
- Magenta (73%)
- Yellow (0%)
- Black (42%)




- Cyan (68%)
- Magenta (84%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 68.275, 309.503 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, 68.275, 309.503 by changing the saturation by 10% instead.

 28, 68.275,
309.503


 28, 68.275,
309.503

 100, 68.275,
309.503


 18, 68.275,
309.503


 48, 68.275,
309.503


 8, 68.275, 309.503

 58, 68.275,
309.503

 0, 68.275, 309.503

 68, 68.275,
309.503

 78, 68.275,
309.503

 88, 68.275,
309.503

 98, 68.275,

309.503

■ 28, 68.275,
309.503

■ 28, 68.275,
309.503

■ 25, 76.114,
309.856

■ 32, 59.268,
308.932

■ 22, 82.025,
309.850

■ 36, 49.706,
308.255

■ 20, 85.368,
309.787

■ 41, 39.988,
307.550

■ 46, 30.346,
306.865

■ 50, 20.904,
306.223

■ 55, 11.720,
305.637

■ 60, 2.820, 305.097

■ 65, 5.794, 124.666

■ 70, 14.126,
124.252

Harmonies

Complementary

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



28, 68.275, 309.503



57, 58.951, 122.000

Rectangle

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



28, 68.275, 309.503



28, 68.275, 359.503



28, 68.275, 129.503



28, 68.275, 179.503

Sweetspot

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



28, 68.275, 309.504



65, 24.524, 306.176



43, 29.624, 257.172



32, 16.491, 306.324



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



28, 68.275, 309.504



31, 97.548, 309.902



36, 67.512, 324.023



29, 4.948, 305.416



18, 80.600, 309.861



0, 4.269, 304.960

Inverse Universe

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



36, 52.848, 345.402



44, 70.365, 348.610



54, 67.599, 136.210



29, 4.404, 338.575



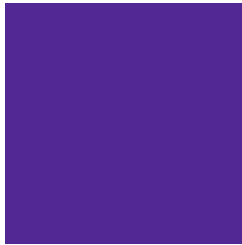
29, 55.893, 350.874



1, 3.819, 337.946

Previews

White Background



This preview shows how the CIE LCh color 28, 68.275, 309.503 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 CIE LCh color 28, 68.275, 309.503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

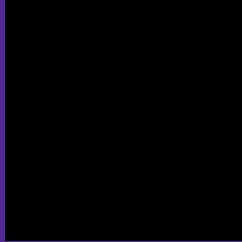
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 68.275, 309.503

Background



This preview shows how black text looks on a background with the CIELCh color 28, 68.275, 309.503.



This preview shows how white text looks on a background with the CIELCh color 28, 68.275, 309.503.

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](#).

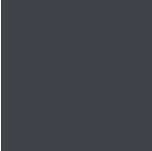
Dichromacy



Original Color
28, 68.275, 309.503

Protanopia
28, 46.763, 285.635

Deuteranopia
28, 33.295, 272.672



Tritanopia
28, 3.622, 262.737

Trichromacy



Original Color
28, 68.275, 309.503

Protanomaly
27, 55.532, 294.791

Deuteranomaly
26, 46.164, 290.812

Tritanomaly
27, 28.447, 304.782

Monochromacy



Original Color
28, 68.275, 309.503

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 26.135, 307.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 68.275, 309.503 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(82, 40, 149)` looks like.

```
.text, #text, p{  
    color:rgb(82, 40, 149)  
}
```

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(82, 40, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 40, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 68.275, 309.503 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(82, 40, 149) }
```

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

```
.border{ border-color:rgb(82, 40, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 40, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 40, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 40, 149);  
box-shadow:4px 4px 4px 4px rgb(82, 40,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 68.275, 309.503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 40, 149) }
```

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

```
.background{ background-color: rgb(82, 40,  
149) }
```

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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