

Converting Colors

CIELCh(28, 109.456, 308.538)

Have a look what the booklet for
CIELCh(28, 109.456, 308.538)
contains.

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Color

CIELCh(28, 109.491, 308.514)

Conversions

Conversions Part 1

Format	Color
Hex	4100CC
RGB	65, 0, 204
RGB Percent	25%, 0%, 80%
CMY	0.7461, 1.0000, 0.2008
CMYK	0.68, 1.00, 0.00, 0.20
HSL	259°, 100%, 40%
HSV	259°, 100%, 80%
XYZ	13.0334, 5.4574, 57.3669
YIQ	42.6910, -26.7440, 77.2240

Conversions

Conversions Part 2

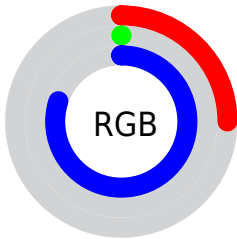
Format	Color
R _Y B	65, 0, 204
Decimal	4260044
CIE Lab	28.00, 68.18, -85.67
CIE LCh	28, 109.491, 308.514
Yxy	5.4574, 0.1718, 0.0719
Android (android.graphics.Color)	4282450124 (0xFF4100CC)
YUV	42.6910, 79.5253, 19.5650
Hunter-Lab	23.3610, 58.7056, -129.2438

Details

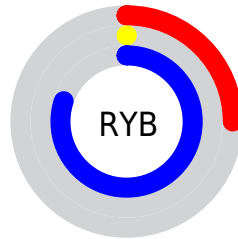
The CIELCh color **28, 109.491, 308.514** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **75, 86.857, 120.820**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 105.877, 308.757**, and **16, 89.195, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 109.428, 308.501**, and if you desaturate by 10%, it is **31, 103.981, 308.655**.

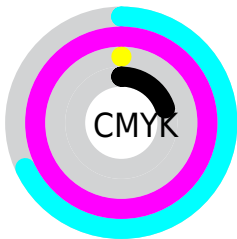
Distribution



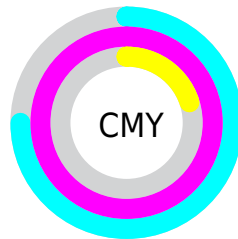
- Red (25%)
- Green (0%)
- Blue (80%)



- Red (25%)
- Yellow (0%)
- Blue (80%)



- Cyan (68%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)





- Cyan (75%)
- Magenta (100%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 109.491, 308.514 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, 109.491, 308.514 by changing the saturation by 10% instead.


 28, 109.491,
308.514


 28, 109.491,
308.514


 100, 109.491,
308.514


 18, 109.491,
308.514


 48, 109.491,
308.514


 8, 109.491,
308.514


 58, 109.491,
308.514

 0, 109.491,
308.514

 68, 109.491,
308.514

 78, 109.491,
308.514

 88, 109.491,
308.514

 98, 109.491,

308.514

■ 28, 109.491,
308.514

■ 28, 109.491,
308.514

■ 28, 109.428,
308.501

■ 31, 103.981,
308.655

■ 34, 95.595,
308.406

■ 39, 84.781,
307.792

■ 45, 72.662,
306.983

■ 51, 60.047,
306.105

■ 57, 47.412,
305.240

■ 63, 35.006,
304.429

■ 69, 22.946,
303.693

■ 76, 11.278,
303.035

Harmonies

Complementary

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



28, 109.491, 308.514



75, 86.857, 120.820

Rectangle

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



28, 109.491, 308.514



28, 109.491, 358.514



28, 109.491, 128.514



28, 109.491, 178.514

Sweetspot

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



28, 109.428, 308.501



77, 42.017, 304.460



55, 42.657, 259.535



38, 28.864, 304.799



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



28, 109.428, 308.501



36, 129.765, 308.380



42, 99.249, 321.250



40, 6.396, 302.998



22, 93.682, 308.639



2, 23.926, 300.650

Inverse Universe

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



45, 77.013, 346.367



56, 90.954, 346.688



72, 99.649, 134.900



40, 6.033, 335.624



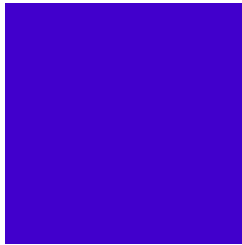
37, 66.236, 346.013



4, 22.422, 341.832

Previews

White Background



This preview shows how the CIELCh color 28, 109.491, 308.514 looks on a white background.

Color Contrast Check

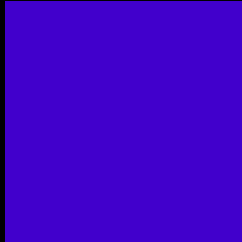
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109.491, 308.514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

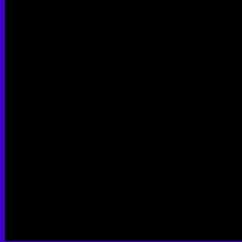
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 109.491, 308.514

Background



This preview shows how black text looks on a background with the CIELCh color 28, 109.491, 308.514.



This preview shows how white text looks on a background with the CIELCh color 28, 109.491, 308.514.

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, 109.491, 308.514

Protanopia

29, 46.628, 284.996

Deuteranopia

29, 32.216, 270.358



Tritanopia
29, 20.326, 203.933

Trichromacy



Original Color
28, 109.491, 308.514

Protanomaly
25, 76.475, 300.919

Deuteranomaly
24, 67.212, 299.006

Tritanomaly
23, 50.836, 294.510

Monochromacy



Original Color
28, 109.491, 308.514

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 49.981, 307.858

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 109.491, 308.514 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(65, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(65, 0, 204)  
}
```

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(65, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 0, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 109.491, 308.514 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(65, 0, 204) }
```

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

```
.border{ border-color:rgb(65, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(65, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(65, 0, 204)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 109.491, 308.514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 0, 204) }
```

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

```
.background{ background-color: rgb(65, 0,  
204) }
```

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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