

Converting Colors

CIELCh(28, 110.066, 307.051)

Have a look what the booklet for
CIELCh(28, 110.066, 307.051)
contains.

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Color

CIELCh(28, 109.793, 307.054)

Conversions

Conversions Part 1

Format	Color
Hex	320CCF
RGB	50, 12, 207
RGB Percent	20%, 5%, 81%
CMY	0.8033, 0.9525, 0.1879
CMYK	0.76, 0.94, 0.00, 0.19
HSL	252°, 89%, 43%
HSV	252°, 94%, 81%
XYZ	12.7290, 5.4574, 59.4701
YIQ	45.5920, -39.9470, 68.7010

Conversions

Conversions Part 2

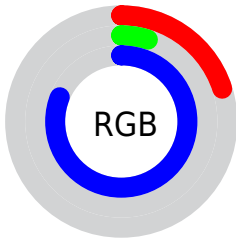
Format	Color
R_{YB}	50, 12, 207
Decimal	3280079
CIE _{Lab}	28.00, 66.16, -87.62
CIE _{LCh}	28, 109.793, 307.054
Yxy	5.4574, 0.1639, 0.0703
Android (android.graphics.Color)	4281470159 (0xFF320CCF)
YUV	45.5920, 79.5741, 3.8658
Hunter-Lab	23.3610, 56.3799, -134.5816

Details

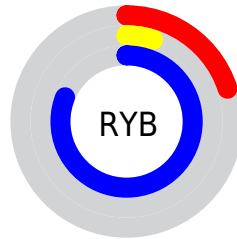
The CIELCh color **28, 109.793, 307.054** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **78, 83.594, 114.114**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 104.304, 307.249**, and **17, 90.513, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 112.815, 307.167**, and if you desaturate by 10%, it is **31, 102.266, 306.584**.

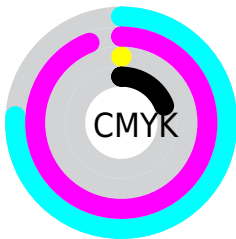
Distribution



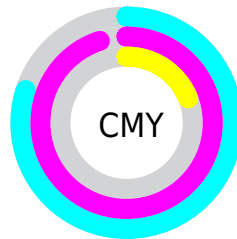
- Red (20%)
- Green (5%)
- Blue (81%)



- Red (20%)
- Yellow (5%)
- Blue (81%)



- Cyan (76%)
- Magenta (94%)
- Yellow (0%)
- Black (19%)





- Cyan (80%)
- Magenta (95%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 109.793, 307.054 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, 109.793, 307.054 by changing the saturation by 10% instead.


 28, 109.793,
307.054


 28, 109.793,
307.054


 100, 109.793,
307.054


 18, 109.793,
307.054


 48, 109.793,
307.054


 8, 109.793,
307.054

 58, 109.793,
307.054

 0, 109.793,
307.054

 68, 109.793,
307.054

 78, 109.793,
307.054

 88, 109.793,
307.054

 98, 109.793,

307.054

■ 28, 109.793,
307.054

■ 28, 109.793,
307.054

■ 27, 112.815,
307.167

■ 31, 102.266,
306.584

■ 36, 91.555,
305.625

■ 41, 79.125,
304.409

■ 48, 66.075,
303.124

■ 54, 53.027,
301.885

■ 61, 40.277,
300.751

■ 67, 27.944,
299.741

■ 74, 16.061,
298.857

■ 80, 4.625, 298.089

Harmonies

Complementary

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



28, 109.793, 307.054



78, 83.594, 114.114

Rectangle

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



28, 109.793, 307.054



28, 109.793, 357.054



28, 109.793, 127.054



28, 109.793, 177.054

Sweetspot

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



28, 109.795, 307.055



78, 38.675, 300.148



65, 36.931, 230.197



38, 26.923, 300.597



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, 109.795, 307.055



34, 132.131, 307.091



39, 100.855, 317.136



40, 6.436, 298.480



21, 96.546, 307.263



2, 25.772, 298.141

Inverse Universe

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



48, 84.394, 337.335



58, 99.037, 338.094



74, 96.353, 132.508



41, 6.719, 330.911



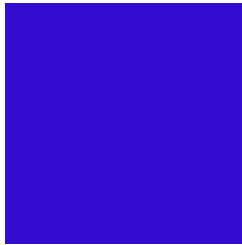
38, 72.833, 337.779



5, 26.759, 335.423

Previews

White Background



This preview shows how the CIELCh color 28, 109.793, 307.054 looks on a white background.

Color Contrast Check

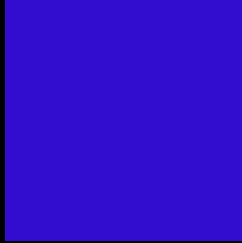
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109.793, 307.054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

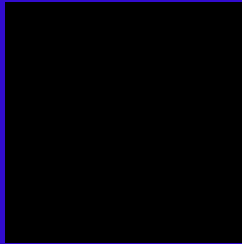
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 109.793, 307.054

Background



This preview shows how black text looks on a background with the CIELCh color 28, 109.793, 307.054.



This preview shows how white text looks on a background with the CIELCh color 28, 109.793,

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, 109.793, 307.054

Protanopia

28, 45.510, 284.594

Deuteranopia

28, 31.673, 270.015



Tritanopia
28, 19.955, 204.109

Trichromacy



Original Color
28, 109.793, 307.054

Protanomaly
26, 73.494, 299.414

Deuteranomaly
25, 64.715, 297.408

Tritanomaly
24, 48.811, 292.082

Monochromacy



Original Color
28, 109.793, 307.054

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 47.848, 304.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 109.793, 307.054 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(50, 12, 207)` looks like.

```
.text, #text, p{  
    color:rgb(50, 12, 207)  
}
```

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(50, 12, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 12, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 109.793, 307.054 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(50, 12, 207) }
```

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

```
.border{ border-color:rgb(50, 12, 207) }
```

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

Here you see how a box with a 4 pixel rgb(50, 12, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 12, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 12, 207);  
box-shadow:4px 4px 4px 4px rgb(50, 12,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 109.793, 307.054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 12, 207) }
```

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

```
.background{ background-color: rgb(50, 12,  
207) }
```

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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