

Converting Colors

CIELCh(28, 104.723, 303.806)

Have a look what the booklet for
CIELCh(28, 104.723, 303.806)
contains.

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Color

CIELCh(28, 104.693, 303.903)

Conversions

Conversions Part 1

Format	Color
Hex	0020CE
RGB	0, 32, 206
RGB Percent	0%, 13%, 81%
CMY	1.0000, 0.8754, 0.1931
CMYK	1.00, 0.85, 0.00, 0.19
HSL	231°, 100%, 40%
HSV	231°, 100%, 81%
XYZ	11.6053, 5.4574, 58.6782
YIQ	42.2680, -74.9260, 47.3300

Conversions

Conversions Part 2

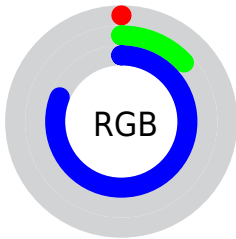
Format	Color
RYB	0, 28, 206
Decimal	8398
CIELab	28.00, 58.40, -86.89
CIELCh	28, 104.693, 303.903
Yxy	5.4574, 0.1532, 0.0721
Android (android.graphics.Color)	4278198478 (0xFF0020CE)
YUV	42.2680, 80.7199, -37.0690
Hunter-Lab	23.3610, 47.7932, -132.5719

Details

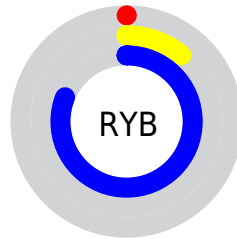
The CIELCh color **28, 104.693, 303.903** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **72, 74.320, 91.627**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 99.634, 303.752**, and **17, 90.074, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 104.675, 303.924**, and if you desaturate by 10%, it is **31, 95.528, 301.699**.

Distribution



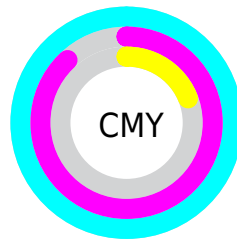
- Red (0%)
- Green (13%)
- Blue (81%)



- Red (0%)
- Yellow (11%)
- Blue (81%)



- Cyan (100%)
- Magenta (85%)
- Yellow (0%)
- Black (19%)





- Cyan (100%)
- Magenta (88%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 104.693, 303.903 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, 104.693, 303.903 by changing the saturation by 10% instead.


 28, 104.693,
303.903


 28, 104.693,
303.903


 100, 104.693,
303.903


 18, 104.693,
303.903


 48, 104.693,
303.903


 8, 104.693,
303.903

 58, 104.693,
303.903

 0, 104.693,
303.903

 68, 104.693,
303.903

 78, 104.693,
303.903

 88, 104.693,
303.903

 98, 104.693,

303.903

■ 28, 104.693,
303.903

■ 28, 104.693,
303.903

■ 28, 104.675,
303.924

■ 31, 95.528,
301.699

■ 36, 84.633,
299.014

■ 41, 73.087,
296.214

■ 46, 61.567,
293.529

■ 52, 50.364,
291.091

■ 58, 39.559,
288.950

■ 64, 29.150,
287.102

■ 71, 19.108,
285.522

■ 77, 9.404, 284.178

Harmonies

Complementary

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



28, 104.693, 303.903



72, 74.320, 91.627

Rectangle

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



28, 104.693, 303.903



28, 104.693, 353.903



28, 104.693, 123.903



28, 104.693, 173.903

Sweetspot

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



28, 104.675, 303.924



78, 34.717, 287.166



74, 50.784, 174.227



39, 23.863, 287.925



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, 104.675, 303.924



35, 124.142, 304.180



29, 109.911, 308.716



40, 5.292, 284.103



22, 88.120, 303.591



2, 21.020, 288.355

Inverse Universe

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



43, 81.808, 33.055



53, 96.844, 33.721



76, 87.923, 121.561



40, 4.453, 7.560



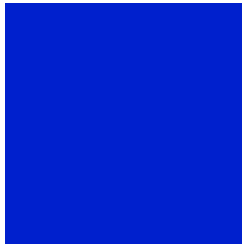
34, 69.067, 32.210



4, 18.100, 11.842

Previews

White Background



This preview shows how the CIELCh color 28, 104.693, 303.903 looks on a white background.

Color Contrast Check

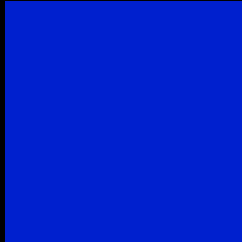
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104.693, 303.903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

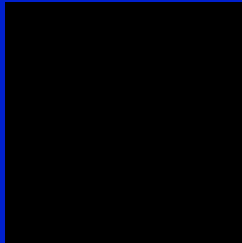
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 104.693, 303.903

Background



This preview shows how black text looks on a background with the CIELCh color 28, 104.693, 303.903.



This preview shows how white text looks on a background with the CIELCh color 28, 104.693, 303.903.

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, 104.693, 303.903

Protanopia

28, 46.169, 285.283

Deuteranopia

28, 31.141, 269.220



Tritanopia
28, 20.062, 202.141

Trichromacy



Original Color
28, 104.693, 303.903

Protanomaly
27, 69.724, 296.788

Deuteranomaly
26, 59.489, 293.424

Tritanomaly
26, 42.913, 284.720

Monochromacy



Original Color
28, 104.693, 303.903

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 43.606, 296.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 104.693, 303.903 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(0, 32, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 32, 206)  
}
```

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(0, 32, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 32, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 104.693, 303.903 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(0, 32, 206) }
```

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

```
.border{ border-color:rgb(0, 32, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 32, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 32, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 32, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 32, 206)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 104.693, 303.903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 32, 206) }
```

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

```
.background{ background-color: rgb(0, 32,  
206) }
```

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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