

Converting Colors

CIELCh(23, 103.251, 298.701)

Have a look what the booklet for
CIELCh(23, 103.251, 298.701)
contains.

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Color

CIELCh(28, 98.972, 303.123)

Conversions

Conversions Part 1

Format	Color
Hex	0525C7
RGB	5, 37, 199
RGB Percent	2%, 15%, 78%
CMY	0.9819, 0.8559, 0.2199
CMYK	0.98, 0.82, 0.00, 0.22
HSL	230°, 95%, 40%
HSV	230°, 98%, 78%
XYZ	11.0102, 5.4574, 54.4528
YIQ	45.9000, -71.0740, 43.5980

Conversions

Conversions Part 2

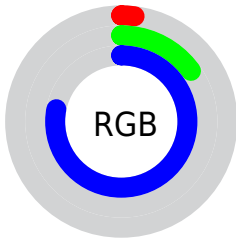
Format	Color
RYB	5, 32, 199
Decimal	337351
CIELab	28.00, 54.08, -82.89
CIELCh	28, 98.972, 303.123
Yxy	5.4574, 0.1552, 0.0770
Android (android.graphics.Color)	4278527431 (0xFF0525C7)
YUV	45.9000, 75.4783, -35.8693
Hunter-Lab	23.3610, 43.2461, -121.8477

Details

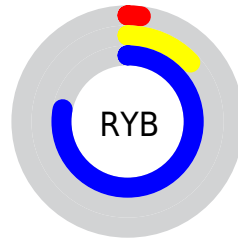
The CIELCh color **28, 98.972, 303.123** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **69, 71.630, 91.035**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 97.954, 303.168**, and **15, 86.986, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 100.906, 303.592**, and if you desaturate by 10%, it is **32, 89.444, 300.655**.

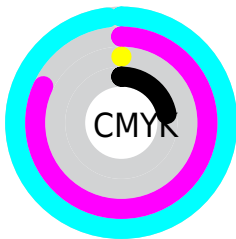
Distribution



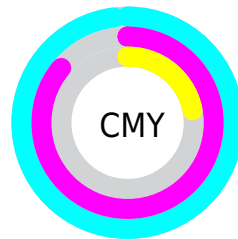
- Red (2%)
- Green (15%)
- Blue (78%)



- Red (2%)
- Yellow (13%)
- Blue (78%)



- Cyan (98%)
- Magenta (82%)
- Yellow (0%)
- Black (22%)



- Cyan (98%)
- Magenta (86%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 98.972, 303.123 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, 98.972, 303.123 by changing the saturation by 10% instead.

 28, 98.972,
303.123

 28, 98.972,
303.123

 100, 98.972,
303.123

 18, 98.972,
303.123

 48, 98.972,
303.123


 8, 98.972, 303.123

 58, 98.972,
303.123

 0, 98.972, 303.123

 68, 98.972,
303.123

 78, 98.972,
303.123

 88, 98.972,
303.123

 98, 98.972,

303.123

■ 28, 98.972,
303.123

■ 28, 98.972,
303.123

■ 27, 100.906,
303.592

■ 32, 89.444,
300.655

■ 36, 78.650,
297.861

■ 41, 67.511,
295.037

■ 47, 56.525,
292.382

■ 52, 45.881,
290.000

■ 58, 35.619,
287.919

■ 64, 25.723,
286.129

■ 70, 16.164,
284.600

■ 76, 6.914, 283.301

Harmonies

Complementary

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



28, 98.972, 303.123



69, 71.630, 91.035

Rectangle

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



28, 98.972, 303.123



28, 98.972, 353.123



28, 98.972, 123.123



28, 98.972, 173.123

Sweetspot

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



28, 98.974, 303.124



79, 33.072, 286.423



72, 49.110, 174.644



39, 22.860, 287.184



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, 98.974, 303.124



36, 122.994, 303.911



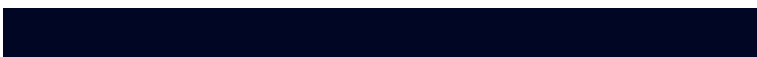
28, 105.958, 308.772



39, 5.120, 283.507



22, 86.154, 303.263



2, 19.039, 287.118

Inverse Universe

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



42, 77.756, 31.136



53, 96.136, 33.021



73, 85.048, 121.298



39, 4.374, 6.707



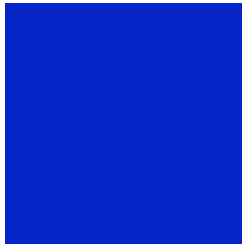
34, 67.744, 31.400



3, 16.094, 10.897

Previews

White Background



This preview shows how the CIE LCh color 28, 98.972, 303.123 looks on a white background.

Color Contrast Check

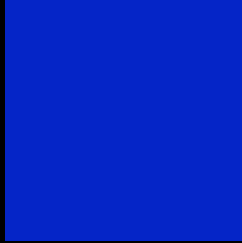
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.972, 303.123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

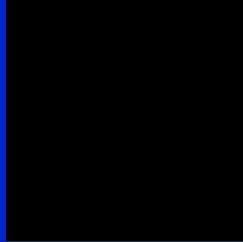
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 98.972, 303.123

Background



This preview shows how black text looks on a background with the CIELCh color 28, 98.972, 303.123.



This preview shows how white text looks on a background with the CIELCh color 28, 98.972, 303.123.

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, 98.890, 303.098

Protanopia
28, 46.169, 285.283

Deuteranopia
28, 31.665, 270.450



Tritanopia
28, 20.062, 202.141

Trichromacy



Original Color
28, 98.890, 303.098

Protanomaly
27, 66.615, 295.756

Deuteranomaly
27, 56.892, 292.208

Tritanomaly
26, 40.424, 282.883

Monochromacy



Original Color
28, 98.890, 303.098

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 39.869, 294.273

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 98.972, 303.123 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(5, 37, 199)` looks like.

```
.text, #text, p{  
    color:rgb(5, 37, 199)  
}
```

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(5, 37, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 37, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 98.972, 303.123 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(5, 37, 199) }
```

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

```
.border{ border-color:rgb(5, 37, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 37, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 37, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 37, 199);  
box-shadow:4px 4px 4px 4px rgb(5, 37, 199)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 98.972, 303.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 37, 199) }
```

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

```
.background{ background-color: rgb(5, 37,  
199) }
```

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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