

Converting Colors

CIELCh(25, 101.539, 301.431)

Have a look what the booklet for
CIELCh(25, 101.539, 301.431)
contains.

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Color

CIELCh(27, 99.935, 303.520)

Conversions

Conversions Part 1

Format	Color
Hex	0021C5
RGB	0, 33, 197
RGB Percent	0%, 13%, 77%
CMY	1.0000, 0.8713, 0.2282
CMYK	1.00, 0.83, 0.00, 0.23
HSL	230°, 100%, 39%
HSV	230°, 100%, 77%
XYZ	10.5815, 5.0937, 53.1280
YIQ	41.8290, -72.3120, 44.0080

Conversions

Conversions Part 2

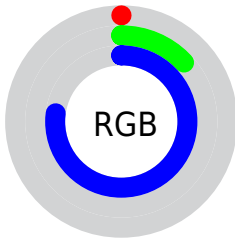
Format	Color
RYB	0, 28, 197
Decimal	8645
CIELab	27.00, 55.19, -83.32
CIELCh	27, 99.935, 303.520
Yxy	5.0937, 0.1538, 0.0740
Android (android.graphics.Color)	4278198725 (0xFF0021C5)
YUV	41.8290, 76.4993, -36.6840
Hunter-Lab	22.5692, 44.1929, -123.7706

Details

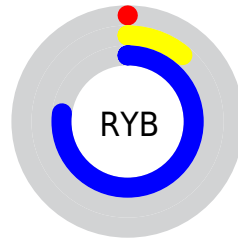
The CIELCh color **27, 99.935, 303.520** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **68, 71.429, 90.640**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 99.731, 303.431**, and **15, 86.098, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 99.921, 303.539**, and if you desaturate by 10%, it is **30, 90.875, 301.206**.

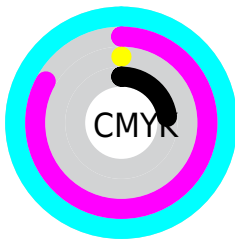
Distribution



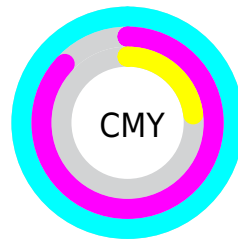
- Red (0%)
- Green (13%)
- Blue (77%)



- Red (0%)
- Yellow (11%)
- Blue (77%)



- Cyan (100%)
- Magenta (83%)
- Yellow (0%)
- Black (23%)





- Cyan (100%)
- Magenta (87%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 99.935, 303.520 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 27, 99.935, 303.520 by changing the saturation by 10% instead.

 27, 99.935,
303.520


 27, 99.935,
303.520

 100, 99.935,
303.520

 17, 99.935,
303.520

 47, 99.935,
303.520

 7, 99.935, 303.520

 57, 99.935,
303.520

 0, 99.935, 303.520

 67, 99.935,
303.520

 77, 99.935,
303.520

 87, 99.935,
303.520

 97, 99.935,

303.520

■ 27, 99.935,
303.520

■ 27, 99.935,
303.520

■ 27, 99.921,
303.539

■ 30, 90.875,
301.206

■ 35, 80.368,
298.448

■ 40, 69.362,
295.607

■ 45, 58.432,
292.900

■ 51, 47.816,
290.449

■ 56, 37.576,
288.299

■ 62, 27.703,
286.444

■ 68, 18.169,
284.857

■ 74, 8.946, 283.506

Harmonies

Complementary

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



27, 99.935, 303.520



68, 71.429, 90.640

Rectangle

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



27, 99.935, 303.520



27, 99.935, 353.520



27, 99.935, 123.520



27, 99.935, 173.520

Sweetspot

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



27, 99.921, 303.539



79, 34.214, 286.524



71, 50.135, 172.484



39, 23.513, 287.288



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



27, 99.921, 303.539



36, 122.844, 303.875



27, 106.595, 308.509



39, 5.112, 283.430



22, 86.039, 303.223



2, 19.019, 287.074

Inverse Universe

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



41, 78.354, 32.080



53, 96.046, 32.930



73, 84.571, 120.739



39, 4.376, 6.599



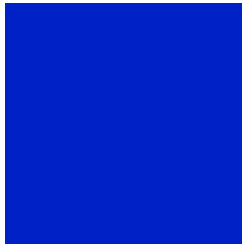
34, 67.682, 31.304



3, 16.097, 10.827

Previews

White Background



This preview shows how the CIE LCh color 27, 99.935, 303.520 looks on a white background.

Color Contrast Check

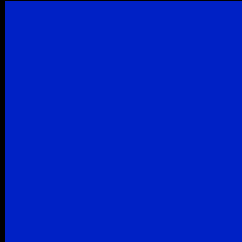
Large Text (above 18pt) WCAG AA ✓ Pass

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 27, 99.935, 303.520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

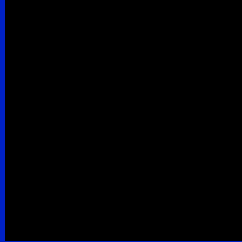
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 99.935, 303.520

Background



This preview shows how black text looks on a background with the CIELCh color 27, 99.935, 303.520.



This preview shows how white text looks on a background with the CIELCh color 27, 99.935, 303.520.

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


27, 99.935, 303.520

Protanopia

27, 45.112, 285.217

Deuteranopia

27, 31.111, 270.547



Tritanopia
27, 19.688, 202.278

Trichromacy



Original Color
27, 99.935, 303.520

Protanomaly
26, 66.944, 296.338

Deuteranomaly
26, 57.208, 292.890

Tritanomaly
25, 40.569, 283.410

Monochromacy



Original Color
27, 99.935, 303.520

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 40.310, 294.917

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 99.935, 303.520 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, 33, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 33, 197)  
}
```

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, 33, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 33, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 99.935, 303.520 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, 33, 197) }
```

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

```
.border{ border-color:rgb(0, 33, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 33, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 33, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 33, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 33, 197)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 99.935, 303.520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 33, 197) }
```

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

```
.background{ background-color: rgb(0, 33,  
197) }
```

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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