

Converting Colors

CIELCh(26, 95.919, 303.258)

Have a look what the booklet for
CIELCh(26, 95.919, 303.258)
contains.

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Color

CIELCh(26, 96.031, 303.257)

Conversions

Conversions Part 1

Format	Color
Hex	0021BD
RGB	0, 33, 189
RGB Percent	0%, 13%, 74%
CMY	1.0000, 0.8710, 0.2593
CMYK	1.00, 0.83, 0.00, 0.26
HSL	230°, 100%, 37%
HSV	230°, 100%, 74%
XYZ	9.7049, 4.7465, 48.4764
YIQ	40.9170, -69.7440, 41.5200

Conversions

Conversions Part 2

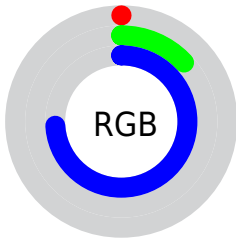
Format	Color
R _{YB}	0, 28, 189
Decimal	8637
CIE Lab	26.00, 52.66, -80.30
CIE LCh	26, 96.031, 303.257
Yxy	4.7465, 0.1542, 0.0754
Android (android.graphics.Color)	4278198717 (0xFF0021BD)
YUV	40.9170, 73.0049, -35.8842
Hunter-Lab	21.7865, 41.3873, -116.6737

Details

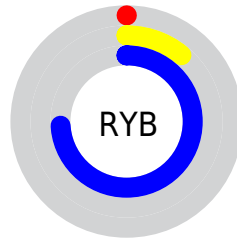
The CIELCh color **26, 96.031, 303.257** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **65, 69.027, 90.063**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 96.241, 303.288**, and **14, 82.974, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **26, 96.023, 303.270**, and if you desaturate by 10%, it is **29, 87.145, 300.875**.

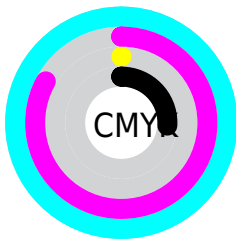
Distribution



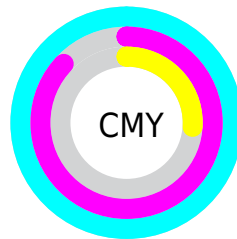
- Red (0%)
- Green (13%)
- Blue (74%)



- Red (0%)
- Yellow (11%)
- Blue (74%)



- Cyan (100%)
- Magenta (83%)
- Yellow (0%)
- Black (26%)





- Cyan (100%)
- Magenta (87%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 96.031, 303.257 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 26, 96.031, 303.257 by changing the saturation by 10% instead.

 26, 96.031,
303.257


 26, 96.031,
303.257

 100, 96.031,
303.257


 16, 96.031,
303.257


 46, 96.031,
303.257


 6, 96.031, 303.257

 56, 96.031,
303.257

 0, 96.031, 303.257

 66, 96.031,
303.257

 76, 96.031,
303.257

 86, 96.031,
303.257

 96, 96.031,

303.257

■ 26, 96.031,
303.257

■ 26, 96.031,
303.257

■ 26, 96.023,
303.270

■ 29, 87.145,
300.875

■ 33, 76.989,
298.077

■ 38, 66.423,
295.215

■ 43, 55.960,
292.500

■ 49, 45.805,
290.046

■ 54, 36.007,
287.894

■ 60, 26.555,
286.038

■ 65, 17.422,
284.449

■ 71, 8.581, 283.096

Harmonies

Complementary

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



26, 96.031, 303.257



65, 69.027, 90.063

Rectangle

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



26, 96.031, 303.257



26, 96.031, 353.257



26, 96.031, 123.257



26, 96.031, 173.257

Sweetspot

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



26, 96.023, 303.270



76, 32.809, 286.121



69, 48.590, 172.538



37, 22.532, 286.875



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



26, 96.023, 303.270



35, 118.127, 303.635



26, 103.342, 308.535



37, 4.855, 283.016



21, 83.275, 302.947



2, 15.282, 285.220

Inverse Universe

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



39, 75.500, 31.417



51, 92.548, 32.320



70, 81.995, 120.697



37, 4.198, 6.025



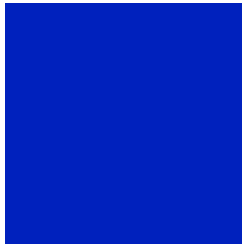
33, 65.710, 30.640



3, 12.467, 9.481

Previews

White Background



This preview shows how the CIELCh color 26, 96.031, 303.257 looks on a white background.

Color Contrast Check

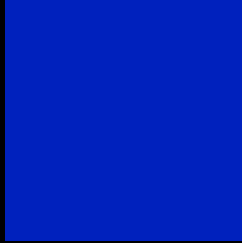
Large Text (above 18pt) WCAG AA ✓ Pass

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 26, 96.031, 303.257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

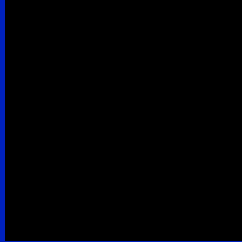
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 96.031, 303.257

Background



This preview shows how black text looks on a background with the CIELCh color 26, 96.031, 303.257.



This preview shows how white text looks on a background with the CIELCh color 26, 96.031, 303.257.

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

26, 96.031, 303.257

Protanopia

26, 43.449, 284.763

Deuteranopia

26, 30.014, 269.823



Tritanopia
26, 19.125, 202.495

Trichromacy



Original Color
26, 96.031, 303.257

Protanomaly
25, 64.134, 295.841

Deuteranomaly
25, 54.908, 292.306

Tritanomaly
24, 38.876, 282.806

Monochromacy



Original Color
26, 96.031, 303.257

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 39.132, 294.662

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 96.031, 303.257 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 33, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 33, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 96.031, 303.257 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, 189) }
```

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

```
.border{ border-color:rgb(0, 33, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 33, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 33, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 33, 189)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 26, 96.031, 303.257 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, 189) }
```

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

```
.background{ background-color: rgb(0, 33,  
189) }
```

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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