

Converting Colors

CIELCh(26, 87.038, 301.677)

Have a look what the booklet for
CIELCh(26, 87.038, 301.677)
contains.

CIELCh(26, 86.640, 301.583)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	26

Color

CIELCh(26, 86.640, 301.583)

Conversions

Conversions Part 1

Format	Color
Hex	0328B2
RGB	3, 40, 178
RGB Percent	1%, 16%, 70%
CMY	0.9888, 0.8433, 0.3021
CMYK	0.98, 0.78, 0.00, 0.30
HSL	227°, 97%, 35%
HSV	227°, 98%, 70%
XYZ	8.8251, 4.7465, 42.5499
YIQ	44.6690, -66.3500, 35.0740

Conversions

Conversions Part 2

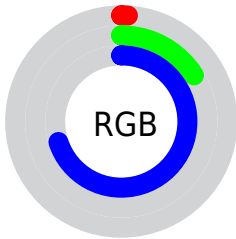
Format	Color
R_{YB}	3, 34, 178
Decimal	207026
CIE _{Lab}	26.00, 45.38, -73.81
CIE _{LCh}	26, 86.640, 301.583
Yxy	4.7465, 0.1572, 0.0846
Android (android.graphics.Color)	4278397106 (0xFF0328B2)
YUV	44.6690, 65.7322, -36.5437
Hunter-Lab	21.7865, 34.1791, -100.5453

Details

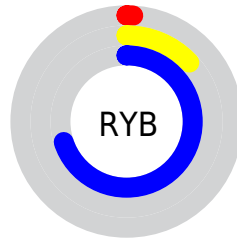
The CIELCh color **26, 86.640, 301.583** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **60, 64.572, 87.128**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 86.477, 301.489**, and **12, 78.458, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **26, 87.971, 301.966**, and if you desaturate by 10%, it is **29, 77.750, 298.811**.

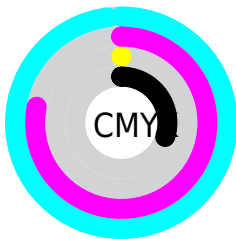
Distribution



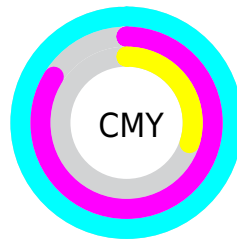
- Red (1%)
- Green (16%)
- Blue (70%)



- Red (1%)
- Yellow (13%)
- Blue (70%)



- Cyan (98%)
- Magenta (78%)
- Yellow (0%)
- Black (30%)





- Cyan (99%)
- Magenta (84%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 86.640, 301.583 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, 86.640, 301.583 by changing the saturation by 10% instead.

 26, 86.640,
301.583


 26, 86.640,
301.583

 100, 86.640,
301.583


 16, 86.640,
301.583


 46, 86.640,
301.583


 6, 86.640, 301.583

 56, 86.640,
301.583

 0, 86.640, 301.583

 66, 86.640,
301.583

 76, 86.640,
301.583

 86, 86.640,
301.583

 96, 86.640,

301.583

■ 26, 86.640,
301.583

■ 26, 86.640,
301.583

■ 26, 87.971,
301.966

■ 29, 77.750,
298.811

■ 33, 68.217,
295.796

■ 38, 58.610,
292.827

■ 43, 49.214,
290.071

■ 48, 40.118,
287.611

■ 53, 31.329,
285.466

■ 58, 22.823,
283.619

■ 63, 14.575,
282.038

■ 68, 6.562, 280.692

Harmonies

Complementary

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



26, 86.640, 301.583



60, 64.572, 87.128

Rectangle

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



26, 86.640, 301.583



26, 86.640, 351.583



26, 86.640, 121.583



26, 86.640, 171.583

Sweetspot

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



26, 86.641, 301.584



73, 30.018, 283.988



65, 48.131, 169.537



36, 20.774, 284.749



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



26, 86.641, 301.584



34, 108.932, 302.426



24, 98.532, 308.118



35, 4.445, 280.808



21, 77.855, 301.636



2, 11.218, 282.504

Inverse Universe

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



37, 69.511, 27.602



49, 86.511, 29.423



67, 77.195, 118.893



35, 4.061, 3.145



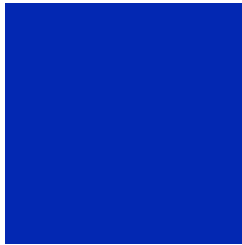
32, 62.526, 27.654



2, 9.440, 6.060

Previews

White Background



This preview shows how the CIELCh color 26, 86.640, 301.583 looks on a white background.

Color Contrast Check

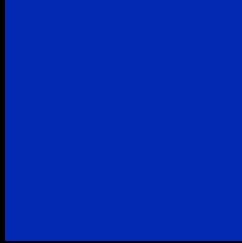
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.640, 301.583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

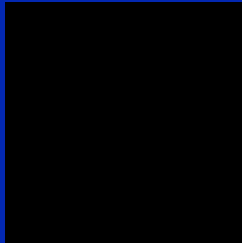
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 86.640, 301.583

Background



This preview shows how black text looks on a background with the CIELCh color 26, 86.640, 301.583.



This preview shows how white text looks on a background with the CIELCh color 26, 86.640, 301.583.

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, 86.640, 301.583

Protanopia

26, 43.449, 284.763

Deuteranopia

26, 30.014, 269.823

Trichromacy



Original Color
26, 86.640, 301.583

Protanomaly
26, 59.683, 293.989

Deuteranomaly
25, 51.084, 290.338

Monochromacy



Original Color
26, 86.640, 301.583

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 34.078, 291.737

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 86.640, 301.583 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(3, 40, 178)` looks like.

```
.text, #text, p{  
    color:rgb(3, 40, 178)  
}
```

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(3, 40, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 40, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 86.640, 301.583 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(3, 40, 178) }
```

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

```
.border{ border-color:rgb(3, 40, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 40, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 40, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 40, 178);  
box-shadow:4px 4px 4px 4px rgb(3, 40, 178)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 26, 86.640, 301.583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 40, 178) }
```

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

```
.background{ background-color: rgb(3, 40,  
178) }
```

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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