

Converting Colors

CIELCh(26, 92.374, 311.966)

Have a look what the booklet for
CIELCh(26, 92.374, 311.966)
contains.

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Color

CIELCh(26, 92.149, 311.834)

Conversions

Conversions Part 1

Format	Color
Hex	5400AA
RGB	84, 0, 170
RGB Percent	33%, 0%, 67%
CMY	0.6720, 1.0000, 0.3346
CMYK	0.51, 1.00, 0.00, 0.33
HSL	270°, 100%, 33%
HSV	270°, 100%, 67%
XYZ	10.8428, 4.7465, 38.2115
YIQ	44.4960, -4.5060, 70.6780

Conversions

Conversions Part 2

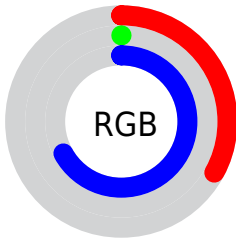
Format	Color
R_{YB}	84, 0, 170
Decimal	5505194
CIE _{Lab}	26.00, 61.46, -68.66
CIE _{LCh}	26, 92.149, 311.834
Yxy	4.7465, 0.2015, 0.0882
Android (android.graphics.Color)	4283695274 (0xFF5400AA)
YUV	44.4960, 61.8735, 34.6450
Hunter-Lab	21.7865, 50.7101, -88.7388

Details

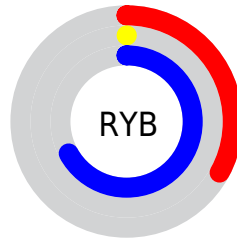
The CIELCh color **26, 92.149, 311.834** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **62, 80.133, 127.706**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 92.277, 311.785**, and **11, 74.477, 306.552** is the 20% darker color. If you saturate the color by 10%, you get **26, 92.038, 311.810**, and if you desaturate by 10%, it is **28, 87.515, 312.243**.

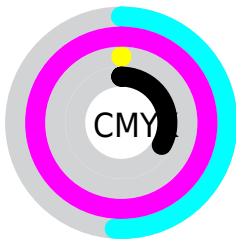
Distribution



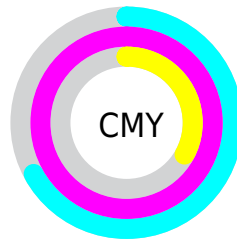
- Red (33%)
- Green (0%)
- Blue (67%)



- Red (33%)
- Yellow (0%)
- Blue (67%)



- Cyan (51%)
- Magenta (100%)
- Yellow (0%)
- Black (33%)





- Cyan (67%)
- Magenta (100%)
- Yellow (33%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 92.149, 311.834 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, 92.149, 311.834 by changing the saturation by 10% instead.

 26, 92.149,
311.834

 26, 92.149,
311.834

 100, 92.149,
311.834


 16, 92.149,
311.834


 46, 92.149,
311.834


 6, 92.149, 311.834

 56, 92.149,
311.834

 0, 92.149, 311.834

 66, 92.149,
311.834

 76, 92.149,
311.834

 86, 92.149,
311.834

 96, 92.149,

311.834

■ 26, 92.149,
311.834

■ 26, 92.149,
311.834

■ 26, 92.038,
311.810

■ 28, 87.515,
312.243

■ 31, 80.995,
312.389

■ 35, 72.479,
312.218

■ 39, 62.689,
311.841

■ 44, 52.229,
311.351

■ 49, 41.519,
310.814

■ 54, 30.822,
310.271

■ 59, 20.291,
309.748

■ 64, 10.007,
309.257

Harmonies

Complementary

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



26, 92.149, 311.834



62, 80.133, 127.706

Rectangle

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



26, 92.149, 311.834



26, 92.149, 1.834



26, 92.149, 131.834



26, 92.149, 181.834

Sweetspot

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



26, 92.038, 311.810



68, 38.001, 310.299



38, 51.153, 282.067



33, 26.002, 310.517



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



26, 92.038, 311.810



35, 111.656, 311.612



40, 85.229, 327.579



33, 5.620, 309.223



22, 83.103, 311.937



1, 9.993, 306.378

Inverse Universe

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



36, 62.566, 1.043



47, 75.643, 1.859



60, 88.179, 135.939



33, 4.551, 343.985



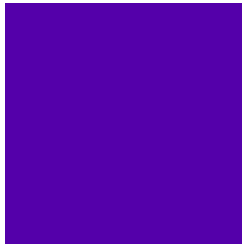
31, 56.622, 0.530



2, 7.831, 347.223

Previews

White Background



This preview shows how the CIELCh color 26, 92.149, 311.834 looks on a white background.

Color Contrast Check

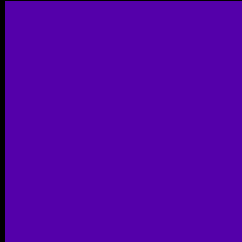
Large Text (above 18pt) WCAG AA ✓ Pass

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 26, 92.149, 311.834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

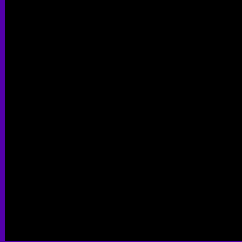
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 92.149, 311.834

Background



This preview shows how black text looks on a background with the CIELCh color 26, 92.149, 311.834.



This preview shows how white text looks on a background with the CIELCh color 26, 92.149, 311.834.

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, 92.149, 311.834

Protanopia

27, 45.112, 285.217

Deuteranopia

27, 31.654, 271.328



Tritanopia
27, 5.533, 234.991

Trichromacy



Original Color
26, 92.149, 311.834

Protanomaly
23, 68.705, 301.053

Deuteranomaly
22, 59.748, 299.083

Tritanomaly
23, 43.389, 307.756

Monochromacy



Original Color
26, 92.149, 311.834

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 42.662, 311.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 92.149, 311.834 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(84, 0, 170)` looks like.

```
.text, #text, p{  
    color:rgb(84, 0, 170)  
}
```

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(84, 0, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 0, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 92.149, 311.834 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(84, 0, 170) }
```

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

```
.border{ border-color:rgb(84, 0, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 0, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 0, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 0, 170);  
box-shadow:4px 4px 4px 4px rgb(84, 0, 170)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 26, 92.149, 311.834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 0, 170) }
```

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

```
.background{ background-color: rgb(84, 0,  
170) }
```

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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