

Converting Colors

CIELCh(26, 41.207, 309.840)

Have a look what the booklet for
CIELCh(26, 41.207, 309.840)
contains.

CIELCh(26, 41.206, 309.840)	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>	27

Color

CIELCh(26, 41.206, 309.840)

Conversions

Conversions Part 1

Format	Color
Hex	4B306E
RGB	75, 48, 110
RGB Percent	29%, 19%, 43%
CMY	0.7056, 0.8115, 0.5683
CMYK	0.32, 0.56, 0.00, 0.57
HSL	266°, 39%, 31%
HSV	266°, 56%, 43%
XYZ	6.7867, 4.7465, 15.3334
YIQ	63.1410, -3.8100, 25.0060

Conversions

Conversions Part 2

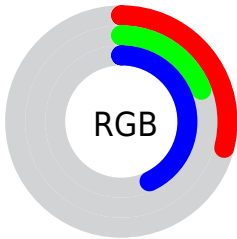
Format	Color
R_{YB}	75, 48, 110
Decimal	4927598
CIE _{Lab}	26.00, 26.40, -31.64
CIE _{LCh}	26, 41.206, 309.840
Yxy	4.7465, 0.2526, 0.1767
Android (android.graphics.Color)	4283117678 (0xFF4B306E)
YUV	63.1410, 23.1015, 10.4003
Hunter-Lab	21.7865, 17.4785, -26.4779

Details

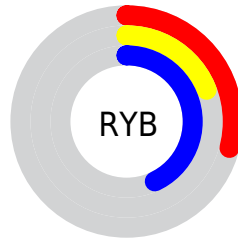
The CIELCh color **26, 41.206, 309.840** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **43, 37.540, 124.276**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 41.240, 309.911**, and **6, 41.398, 309.931** is the 20% darker color. If you saturate the color by 10%, you get **23, 48.531, 310.381**, and if you desaturate by 10%, it is **29, 33.674, 309.249**.

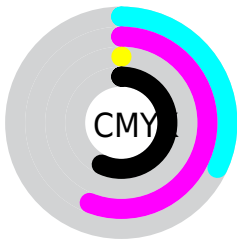
Distribution



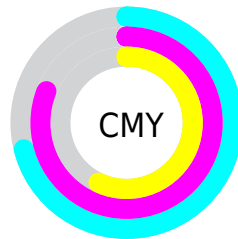
- Red (29%)
- Green (19%)
- Blue (43%)



- Red (29%)
- Yellow (19%)
- Blue (43%)



- Cyan (32%)
- Magenta (56%)
- Yellow (0%)
- Black (57%)





- Cyan (71%)
- Magenta (81%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 41.206, 309.840 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, 41.206, 309.840 by changing the saturation by 10% instead.

 26, 41.206,
309.840


 26, 41.206,
309.840

 100, 41.206,
309.840


 16, 41.206,
309.840


 46, 41.206,
309.840


 6, 41.206, 309.840

 56, 41.206,
309.840

 0, 41.206, 309.840

 66, 41.206,
309.840

 76, 41.206,
309.840

 86, 41.206,
309.840

 96, 41.206,

309.840

■ 26, 41.206,
309.840

■ 26, 41.206,
309.840

■ 23, 48.531,
310.381

■ 29, 33.674,
309.249

■ 20, 55.336,
310.799

■ 33, 26.135,
308.654

■ 17, 61.171,
310.997

■ 37, 18.702,
308.082

■ 15, 65.902,
310.981

■ 40, 11.438,
307.549

■ 14, 67.757,
311.054

■ 44, 4.371, 307.055

■ 48, 2.487, 126.657

■ 52, 9.136, 126.250

■ 55, 15.580,
125.903

■ 59, 21.827,
125.599

Harmonies

Complementary

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



26, 41.206, 309.840



43, 37.540, 124.276

Rectangle

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



26, 41.206, 309.840



26, 41.206, 359.840



26, 41.206, 129.840



26, 41.206, 179.840

Sweetspot

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



26, 41.205, 309.840



52, 14.765, 307.607



34, 19.752, 257.852



25, 9.827, 307.679



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



26, 41.205, 309.840



29, 61.472, 310.544



30, 43.319, 325.145



21, 3.960, 307.185



16, 72.068, 310.950



38, 123.886, 310.334

Inverse Universe

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



30, 33.016, 345.642



35, 47.375, 347.623



41, 43.308, 138.691



22, 3.373, 340.955



25, 49.596, 354.600



54, 83.972, 356.743

Previews

White Background



This preview shows how the CIELCh color 26, 41.206, 309.840 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, 41.206, 309.840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

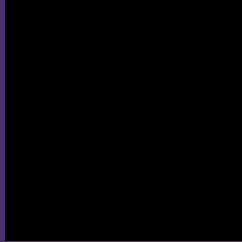
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 41.206, 309.840

Background



This preview shows how black text looks on a background with the CIELCh color 26, 41.206, 309.840.



This preview shows how white text looks on a background with the CIELCh color 26, 41.206, 309.840.

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, 41.206, 309.840

Protanopia

26, 40.690, 285.851

Deuteranopia

26, 29.619, 276.871



Tritanopia
26, 4.252, 329.841

Trichromacy



Original Color
26, 41.206, 309.840

Protanomaly
26, 40.517, 292.172

Deuteranomaly
26, 32.786, 289.226

Tritanomaly
26, 17.317, 311.087

Monochromacy



Original Color
26, 41.206, 309.840

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 14.950, 307.185

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 41.206, 309.840 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(75, 48, 110)` looks like.

```
.text, #text, p{  
    color:rgb(75, 48, 110)  
}
```

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(75, 48, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 48, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 41.206, 309.840 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(75, 48, 110) }
```

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

```
.border{ border-color:rgb(75, 48, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 48, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 48, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 48, 110);  
box-shadow:4px 4px 4px 4px rgb(75, 48,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 41.206, 309.840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 48, 110) }
```

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

```
.background{ background-color: rgb(75, 48,  
110) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor