

Converting Colors

CIELCh(26, 36.685, 109.332)

Have a look what the booklet for
CIELCh(26, 36.685, 109.332)
contains.

CIELCh(26, 36.745, 109.573)	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, 36.745, 109.573)

Conversions

Conversions Part 1

Format	Color
Hex	3A4200
RGB	58, 66, 0
RGB Percent	23%, 26%, 0%
CMY	0.7739, 0.7425, 1.0000
CMYK	0.12, 0.00, 1.00, 0.74
HSL	67°, 100%, 13%
HSV	67°, 100%, 26%
XYZ	3.6523, 4.7465, 0.7135
YIQ	56.0840, 16.4180, -22.2220

Conversions

Conversions Part 2

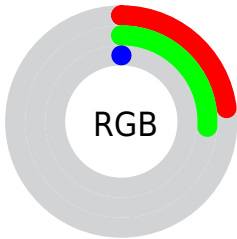
Format	Color
RYB	0, 66, 8
Decimal	3817984
CIELab	26.00, -12.31, 34.62
CIELCh	26, 36.745, 109.573
Yxy	4.7465, 0.4008, 0.5209
Android (android.graphics.Color)	4282008064 (0xFF3A4200)
YUV	56.0840, -27.6494, 1.6803
Hunter-Lab	21.7865, -8.2026, 13.3087

Details

The CIELCh color **26, 36.745, 109.573** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **4, 45.900, 304.587**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 36.782, 109.486**, and **6, 14.506, 142.649** is the 20% darker color. If you saturate the color by 10%, you get **26, 36.606, 109.619**, and if you desaturate by 10%, it is **26, 33.947, 109.830**.

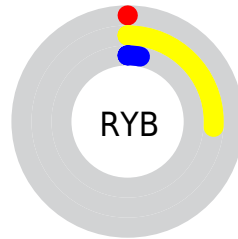
Distribution



Red (23%)

Green (26%)

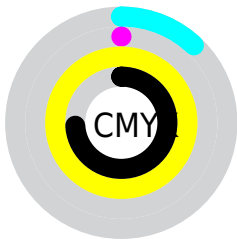
Blue (0%)



Red (0%)

Yellow (26%)

Blue (3%)

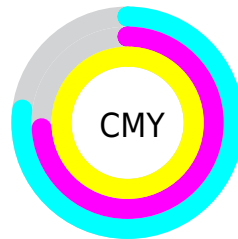


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (74%)



Cyan (77%)


Magenta (74%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 36.745, 109.573 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, 36.745, 109.573 by changing the saturation by 10% instead.

 26, 36.745,
109.573


 26, 36.745,
109.573

 100, 36.745,
109.573


 16, 36.745,
109.573


 46, 36.745,
109.573


 6, 36.745, 109.573

 56, 36.745,
109.573

 0, 36.745, 109.573

 66, 36.745,
109.573

 76, 36.745,
109.573

 86, 36.745,
109.573

 96, 36.745,

109.573

■ 26, 36.745,
109.573

■ 26, 36.745,
109.573

■ 26, 36.606,
109.619

■ 26, 33.947,
109.830

■ 26, 31.278,
110.074

■ 26, 28.167,
110.453

■ 27, 24.641,
110.964

■ 27, 20.830,
111.562

■ 27, 16.828,
112.215

■ 27, 12.703,
112.898

■ 27, 8.503, 113.592

■ 28, 4.260, 114.284

Harmonies

Complementary

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



26, 36.745, 109.573



4, 45.900, 304.587

Rectangle

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



26, 36.745, 109.573



26, 36.745, 159.573



26, 36.745, 289.573



26, 36.745, 339.573

Sweetspot

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



26, 36.606, 109.619



35, 15.603, 112.814



11, 32.144, 33.440



17, 10.728, 112.690



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



26, 36.606, 109.619



34, 43.651, 109.703



24, 41.407, 129.991



13, 2.388, 114.385



39, 48.145, 109.831



85, 88.923, 110.353

Inverse Universe

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



4, 45.900, 304.587



6, 58.435, 306.896



8, 45.574, 316.127



11, 2.431, 295.577



8, 65.074, 307.058



28, 120.749, 306.668

Previews

White Background



This preview shows how the CIELCh color 26, 36.745, 109.573 looks on a white background.

Color Contrast Check

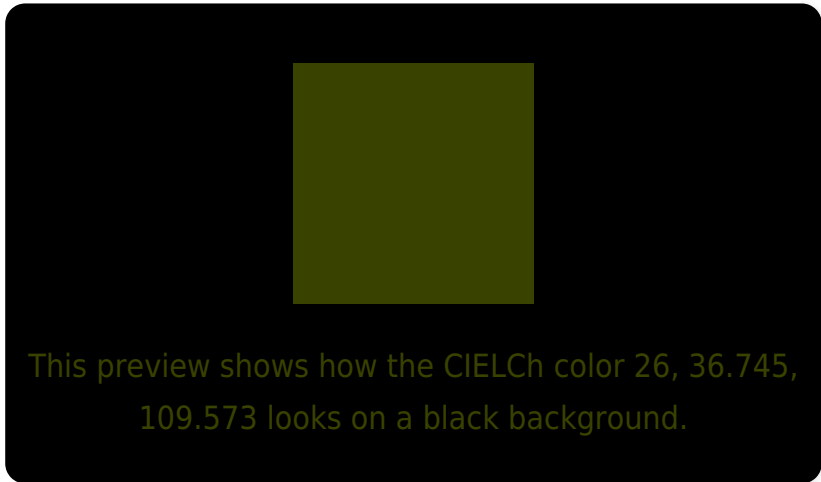
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

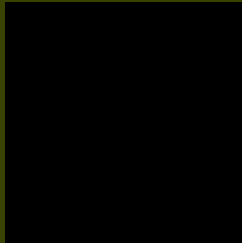
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 36.745, 109.573

Background



This preview shows how black text looks on a background with the CIELCh color 26, 36.745, 109.573.



This preview shows how white text looks on a background with the CIELCh color 26, 36.745, 109.573.

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, 36.745, 109.573

Protanopia

26, 35.113, 95.883

Deuteranopia

26, 30.997, 84.398



Tritanopia
26, 3.406, 305.821

Trichromacy



Original Color
26, 36.745, 109.573

Protanomaly
26, 35.255, 100.364

Deuteranomaly
26, 32.036, 93.768

Tritanomaly
26, 13.585, 111.531

Monochromacy



Original Color
26, 36.745, 109.573

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 15.615, 112.391

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 36.745, 109.573 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(58, 66, 0)` looks like.

```
.text, #text, p{  
    color:rgb(58, 66, 0)  
}
```

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(58, 66, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 66, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 36.745, 109.573 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(58, 66, 0) }
```

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

```
.border{ border-color:rgb(58, 66, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 66, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 66, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(58, 66, 0); box-shadow:4px  
4px 4px 4px rgb(58, 66, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 36.745, 109.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 66, 0) }
```

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

```
.background{ background-color: rgb(58, 66,  
0) }
```

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