

Converting Colors

CIELCh(25, 38.008, 233.309)

Have a look what the booklet for
CIELCh(25, 38.008, 233.309)
contains.

CIELCh(28, 26.197, 259.109)	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(28, 26.197, 259.109)

Conversions

Conversions Part 1

Format	Color
Hex	014669
RGB	1, 70, 105
RGB Percent	0%, 27%, 41%
CMY	0.9969, 0.7241, 0.5867
CMYK	0.99, 0.33, 0.00, 0.59
HSL	200°, 99%, 21%
HSV	200°, 99%, 41%
XYZ	4.7915, 5.4574, 14.2688
YIQ	53.3590, -52.3590, -3.7430

Conversions

Conversions Part 2

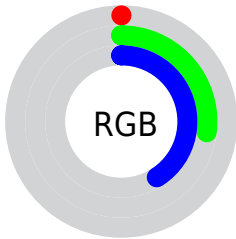
Format	Color
R _Y B	1, 42, 105
Decimal	83561
CIE Lab	28.00, -4.95, -25.73
CIE LCh	28, 26.197, 259.109
Yxy	5.4574, 0.1954, 0.2226
Android (android.graphics.Color)	4278273641 (0xFF014669)
YUV	53.3590, 25.4590, -45.9188
Hunter-Lab	23.3610, -4.2706, -19.8613

Details

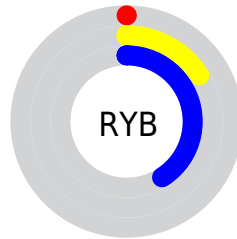
The CIELCh color **28, 26.197, 259.109** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **25, 45.936, 49.890**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 25.940, 259.137**, and **10, 22.689, 279.221** is the 20% darker color. If you saturate the color by 10%, you get **28, 26.336, 259.396**, and if you desaturate by 10%, it is **29, 24.393, 254.976**.

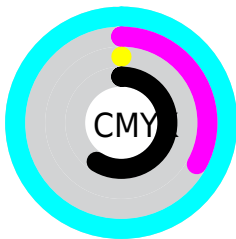
Distribution



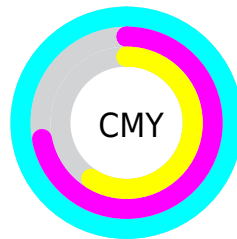
- Red (0%)
- Green (27%)
- Blue (41%)



- Red (0%)
- Yellow (16%)
- Blue (41%)



- Cyan (99%)
- Magenta (33%)
- Yellow (0%)
- Black (59%)





- Cyan (100%)
- Magenta (72%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 26.197, 259.109 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 28, 26.197, 259.109 by changing the saturation by 10% instead.

 28, 26.197,
259.109


 28, 26.197,
259.109

 100, 26.197,
259.109


 18, 26.197,
259.109


 48, 26.197,
259.109


 8, 26.197, 259.109

 58, 26.197,
259.109

 0, 26.197, 259.109

 68, 26.197,
259.109

 78, 26.197,
259.109

 88, 26.197,
259.109

 98, 26.197,

259.109

■ 28, 26.197,
259.109

■ 28, 26.197,
259.109

■ 28, 26.336,
259.396

■ 29, 24.393,
254.976

■ 31, 22.553,
250.985

■ 32, 20.503,
247.583

■ 34, 18.204,
244.746

■ 36, 15.647,
242.413

■ 37, 12.844,
240.511

■ 39, 9.820, 238.969

■ 41, 6.607, 237.727

■ 43, 3.236, 236.755

Harmonies

Complementary

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



28, 26.197, 259.109



25, 45.936, 49.890

Rectangle

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



28, 26.197, 259.109



28, 26.197, 309.109



28, 26.197, 79.109



28, 26.197, 129.109

Sweetspot

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



28, 26.196, 259.110



50, 12.493, 239.193



38, 52.357, 143.503



24, 8.396, 239.642



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



28, 26.196, 259.110



37, 32.401, 260.981



12, 60.102, 302.006



21, 1.991, 236.732



31, 28.607, 260.076



64, 50.920, 263.327

Inverse Universe

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



22, 47.533, 346.111



30, 57.417, 346.923



38, 45.340, 91.483



21, 3.483, 336.286



25, 51.312, 346.525



54, 87.321, 348.000

Previews

White Background



This preview shows how the CIELCh color 28, 26.197, 259.109 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 28, 26.197, 259.109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

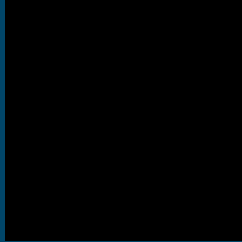
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 26.197, 259.109

Background



This preview shows how black text looks on a background with the CIELCh color 28, 26.197, 259.109.



This preview shows how white text looks on a background with the CIELCh color 28, 26.197, 259.109.

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

28, 26.153, 259.284

Protanopia

28, 23.418, 285.361

Deuteranopia

28, 25.765, 278.759



Tritanopia
28, 19.870, 206.095

Trichromacy



Original Color
28, 26.153, 259.284

Protanomaly
28, 24.605, 271.793

Deuteranomaly
28, 26.227, 269.849

Tritanomaly
28, 20.204, 228.371

Monochromacy



Original Color
28, 26.153, 259.284

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 12.241, 243.507

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 26.197, 259.109 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(1, 70, 105)` looks like.

```
.text, #text, p{  
    color:rgb(1, 70, 105)  
}
```

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(1, 70, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 70, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 26.197, 259.109 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(1, 70, 105) }
```

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

```
.border{ border-color:rgb(1, 70, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 70, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 70, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 70, 105);  
box-shadow:4px 4px 4px 4px rgb(1, 70, 105)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 26.197, 259.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 70, 105) }
```

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

```
.background{ background-color: rgb(1, 70,  
105) }
```

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