

Converting Colors

CIELCh(27, 27.997, 252.972)

Have a look what the booklet for
CIELCh(27, 27.997, 252.972)
contains.

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Color

CIELCh(28, 25.742, 257.948)

Conversions

Conversions Part 1

Format	Color
Hex	014669
RGB	1, 70, 105
RGB Percent	0%, 27%, 41%
CMY	0.9959, 0.7236, 0.5901
CMYK	0.99, 0.33, 0.00, 0.59
HSL	200°, 98%, 21%
HSV	200°, 99%, 41%
XYZ	4.7584, 5.4574, 14.0381
YIQ	53.3590, -52.3590, -3.7430

Conversions

Conversions Part 2

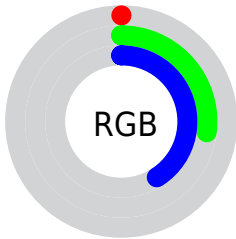
Format	Color
R_YB	1, 42, 105
Decimal	83561
CIE _{Lab}	28.00, -5.37, -25.17
CIE _{LCh}	28, 25.742, 257.948
Yxy	5.4574, 0.1962, 0.2250
Android (android.graphics.Color)	4278273641 (0xFF014669)
YUV	53.3590, 25.4590, -45.9188
Hunter-Lab	23.3610, -4.5229, -19.2757

Details

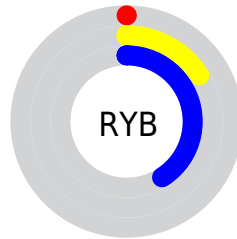
The CIELCh color **28, 25.742, 257.948** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **24, 45.598, 49.499**, and the grayscale version is **22, 0.004, 296.813**.

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, 25.923, 258.333**, and if you desaturate by 10%, it is **29, 24.005, 253.840**.

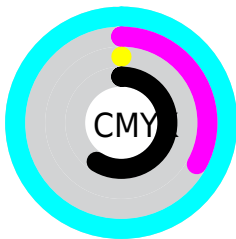
Distribution



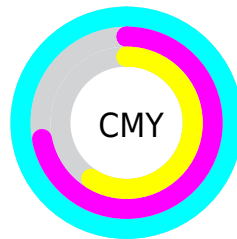
- Red (0%)
- Green (27%)
- Blue (41%)



- 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, 25.742, 257.948 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, 25.742, 257.948 by changing the saturation by 10% instead.

 28, 25.742,
257.948


 28, 25.742,
257.948

 100, 25.742,
257.948


 18, 25.742,
257.948


 48, 25.742,
257.948


 8, 25.742, 257.948

 58, 25.742,
257.948

 0, 25.742, 257.948

 68, 25.742,
257.948

 78, 25.742,
257.948

 88, 25.742,
257.948

 98, 25.742,

257.948

■ 28, 25.742,
257.948

■ 28, 25.742,
257.948

■ 28, 25.923,
258.333

■ 29, 24.005,
253.840

■ 31, 22.220,
249.901

■ 32, 20.215,
246.555

■ 34, 17.954,
243.771

■ 35, 15.430,
241.486

■ 37, 12.656,
239.628

■ 39, 9.659, 238.125

■ 41, 6.470, 236.918

■ 43, 3.124, 235.979

Harmonies

Complementary

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



28, 25.742, 257.948



24, 45.598, 49.499

Rectangle

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



28, 25.742, 257.948



28, 25.742, 307.948



28, 25.742, 77.948



28, 25.742, 127.948

Sweetspot

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



28, 25.741, 257.949



50, 12.285, 238.376



38, 52.609, 142.992



25, 8.381, 238.825



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, 25.741, 257.949



36, 31.614, 259.870



13, 58.458, 301.358



20, 1.910, 235.971



31, 27.853, 258.932



64, 49.950, 262.280

Inverse Universe

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



22, 47.383, 345.625



29, 56.859, 346.436



37, 44.625, 90.213



20, 3.357, 336.026



24, 50.711, 346.035



54, 86.942, 347.512

Previews

White Background



This preview shows how the CIELCh color 28, 25.742, 257.948 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, 25.742, 257.948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

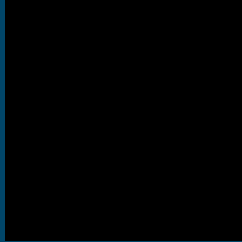
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 25.742, 257.948

Background



This preview shows how black text looks on a background with the CIELCh color 28, 25.742, 257.948.



This preview shows how white text looks on a background with the CIELCh color 28, 25.742, 257.948.

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, 22.791, 284.932

Deuteranopia

28, 25.106, 278.726



Tritanopia
28, 19.870, 206.095

Trichromacy



Original Color
28, 26.153, 259.284

Protanomaly
28, 24.042, 270.932

Deuteranomaly
28, 25.615, 269.354

Tritanomaly
28, 20.048, 226.432

Monochromacy



Original Color
28, 26.153, 259.284

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 11.869, 240.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 25.742, 257.948 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, 25.742, 257.948 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, 25.742, 257.948 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](#).

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