

Converting Colors

CIELCh(28, 24.000, 256.595)

Have a look what the booklet for
CIELCh(28, 24.000, 256.595)
contains.

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Color

CIELCh(28, 24.274, 257.744)

Conversions

Conversions Part 1

Format	Color
Hex	0D4666
RGB	13, 70, 102
RGB Percent	5%, 27%, 40%
CMY	0.9509, 0.7245, 0.5990
CMYK	0.88, 0.31, 0.00, 0.60
HSL	201°, 78%, 23%
HSV	201°, 88%, 40%
XYZ	4.7757, 5.4574, 13.4408
YIQ	56.6050, -44.2440, -2.1320

Conversions

Conversions Part 2

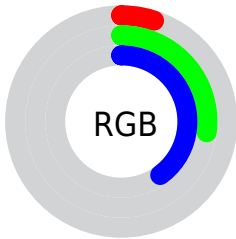
Format	Color
R_{YB}	13, 48, 102
Decimal	869990
CIE _{Lab}	28.00, -5.15, -23.72
CIE _{LCh}	28, 24.274, 257.744
Yxy	5.4574, 0.2017, 0.2305
Android (android.graphics.Color)	4279060070 (0xFF0D4666)
YUV	56.6050, 22.3797, -38.2416
Hunter-Lab	23.3610, -4.3913, -17.7597

Details

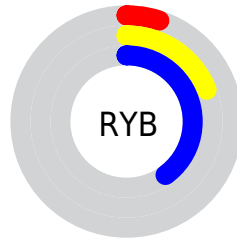
The CIELCh color **28, 24.274, 257.744** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **26, 39.401, 52.650**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 24.224, 257.749**, and **9, 21.374, 277.087** is the 20% darker color. If you saturate the color by 10%, you get **27, 26.231, 261.922**, and if you desaturate by 10%, it is **29, 22.270, 253.787**.

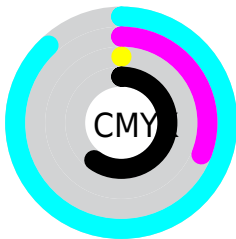
Distribution



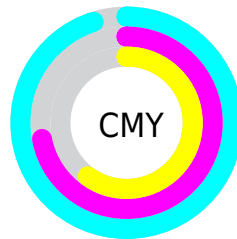
- Red (5%)
- Green (27%)
- Blue (40%)



- Red (5%)
- Yellow (19%)
- Blue (40%)



- Cyan (88%)
- Magenta (31%)
- Yellow (0%)
- Black (60%)



- Cyan (95%)
- Magenta (72%)
- Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 24.274, 257.744 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, 24.274, 257.744 by changing the saturation by 10% instead.

 28, 24.274,
257.744

 28, 24.274,
257.744

 100, 24.274,
257.744


 18, 24.274,
257.744

 48, 24.274,
257.744

 8, 24.274, 257.744

 58, 24.274,
257.744

 0, 24.274, 257.744

 68, 24.274,
257.744

 78, 24.274,
257.744

 88, 24.274,
257.744

 98, 24.274,

257.744

■ 28, 24.274,
257.744

■ 28, 24.274,
257.744

■ 27, 26.231,
261.922

■ 29, 22.270,
253.787

■ 26, 26.690,
262.786

■ 31, 20.085,
250.398

■ 33, 17.684,
247.554

■ 34, 15.058,
245.200

■ 36, 12.219,
243.268

■ 38, 9.188, 241.689

■ 40, 5.993, 240.407

■ 42, 2.663, 239.402

■ 44, 0.774, 58.042

Harmonies

Complementary

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



28, 24.274, 257.744



26, 39.401, 52.650

Rectangle

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



28, 24.274, 257.744



28, 24.274, 307.744



28, 24.274, 77.744



28, 24.274, 127.744

Sweetspot

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



28, 24.273, 257.745



49, 10.674, 241.545



38, 46.434, 146.168



24, 7.142, 241.882



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



28, 24.273, 257.745



34, 32.700, 264.376



14, 52.795, 299.860



20, 1.918, 239.501



30, 29.198, 263.537



62, 52.660, 266.886

Inverse Universe

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



22, 44.061, 345.539



28, 55.224, 348.505



38, 41.832, 93.966



20, 3.291, 337.236



24, 49.919, 348.100



53, 85.592, 349.774

Previews

White Background



This preview shows how the CIE LCh color 28, 24.274, 257.744 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, 24.274, 257.744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

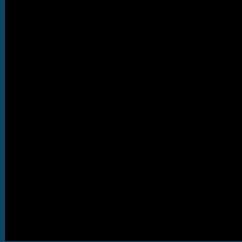
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 24.274, 257.744

Background



This preview shows how black text looks on a background with the CIELCh color 28, 24.274, 257.744.



This preview shows how white text looks on a background with the CIELCh color 28, 24.274, 257.744.

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, 24.221, 257.957

Protanopia

28, 21.494, 284.873

Deuteranopia

28, 24.377, 280.110



Tritanopia
28, 19.870, 206.095

Trichromacy



Original Color
28, 24.221, 257.957

Protanomaly
28, 22.519, 271.985

Deuteranomaly
28, 24.159, 269.754

Tritanomaly
28, 19.449, 225.232

Monochromacy



Original Color
28, 24.221, 257.957

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 10.553, 242.184

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 24.274, 257.744 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(13, 70, 102)` looks like.

```
.text, #text, p{  
    color:rgb(13, 70, 102)  
}
```

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(13, 70, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 70, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 24.274, 257.744 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(13, 70, 102) }
```

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

```
.border{ border-color:rgb(13, 70, 102) }
```

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

Here you see how a box with a 4 pixel rgb(13, 70, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 70, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 70, 102);  
box-shadow:4px 4px 4px 4px rgb(13, 70,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 24.274, 257.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 70, 102) }
```

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

```
.background{ background-color: rgb(13, 70,  
102) }
```

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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