

Converting Colors

CIELCh(27, 25.206, 236.662)

Have a look what the booklet for
CIELCh(27, 25.206, 236.662)
contains.

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Color

CIELCh(28, 22.242, 245.095)

Conversions

Conversions Part 1

Format	Color
Hex	014861
RGB	1, 72, 97
RGB Percent	0%, 28%, 38%
CMY	0.9948, 0.7190, 0.6208
CMYK	0.99, 0.26, 0.00, 0.62
HSL	196°, 97%, 19%
HSV	196°, 99%, 38%
XYZ	4.4559, 5.4574, 12.0550
YIQ	53.6210, -50.3410, -7.2770

Conversions

Conversions Part 2

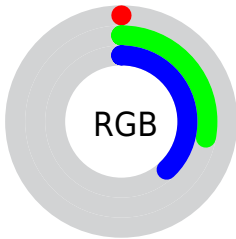
Format	Color
R _Y B	1, 42, 97
Decimal	84065
CIE Lab	28.00, -9.37, -20.17
CIE LCh	28, 22.242, 245.095
Yxy	5.4574, 0.2028, 0.2484
Android (android.graphics.Color)	4278274145 (0xFF014861)
YUV	53.6210, 21.3858, -46.1486
Hunter-Lab	23.3610, -6.8347, -14.2428

Details

The CIELCh color **28, 22.242, 245.095** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **21, 43.521, 45.104**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 22.415, 246.155**, and **10, 17.036, 265.311** is the 20% darker color. If you saturate the color by 10%, you get **28, 22.407, 245.549**, and if you desaturate by 10%, it is **29, 21.088, 241.566**.

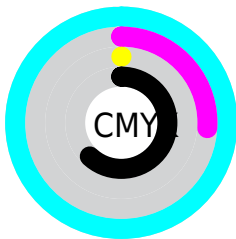
Distribution



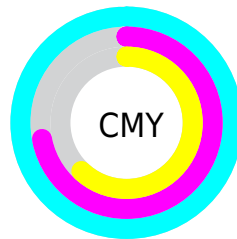
- Red (0%)
- Green (28%)
- Blue (38%)



- Red (0%)
- Yellow (16%)
- Blue (38%)



- Cyan (99%)
- Magenta (26%)
- Yellow (0%)
- Black (62%)





- Cyan (99%)
- Magenta (72%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 22.242, 245.095 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, 22.242, 245.095 by changing the saturation by 10% instead.

 28, 22.242,
245.095


 28, 22.242,
245.095

 100, 22.242,
245.095


 18, 22.242,
245.095


 48, 22.242,
245.095


 8, 22.242, 245.095

 58, 22.242,
245.095

 0, 22.242, 245.095

 68, 22.242,
245.095

 78, 22.242,
245.095

 88, 22.242,
245.095

 98, 22.242,

245.095

■ 28, 22.242,
245.095

■ 28, 22.242,
245.095

■ 28, 22.407,
245.549

■ 29, 21.088,
241.566

■ 30, 19.821,
238.245

■ 31, 18.252,
235.504

■ 33, 16.364,
233.280

■ 34, 14.162,
231.500

■ 35, 11.672,
230.089

■ 37, 8.928, 228.981

■ 38, 5.967, 228.125

■ 40, 2.829, 227.503

Harmonies

Complementary

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



28, 22.242, 245.095



21, 43.521, 45.104

Rectangle

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



28, 22.242, 245.095



28, 22.242, 295.095



28, 22.242, 65.095



28, 22.242, 115.095

Sweetspot

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



28, 22.241, 245.096



47, 11.471, 229.206



35, 51.846, 141.171



23, 7.818, 229.517



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



28, 22.241, 245.096



36, 27.092, 247.054



13, 50.204, 298.258



19, 1.839, 227.515



33, 25.003, 246.460



68, 44.546, 249.676

Inverse Universe

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



20, 46.765, 340.981



27, 56.120, 341.623



32, 40.965, 84.950



18, 3.371, 333.318



24, 52.066, 341.429



54, 90.034, 342.508

Previews

White Background



This preview shows how the CIELCh color 28, 22.242, 245.095 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 CIELCh color 28, 22.242, 245.095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

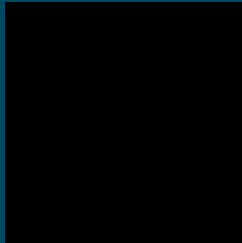
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 22.242, 245.095

Background



This preview shows how black text looks on a background with the CIELCh color 28, 22.242, 245.095.



This preview shows how white text looks on a background with the CIELCh color 28, 22.242, 245.095.

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, 22.287, 244.821

Protanopia
28, 17.546, 286.230

Deuteranopia
28, 20.968, 281.697



Tritanopia
28, 19.870, 206.095

Trichromacy



Original Color
28, 22.287, 244.821

Protanomaly
27, 19.390, 264.441

Deuteranomaly
28, 21.461, 264.683

Tritanomaly
28, 19.707, 220.467

Monochromacy



Original Color
28, 22.287, 244.821

Achromatopsia
22, 0.004, 296.813

Achromatomaly
24, 11.178, 230.649

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 22.242, 245.095 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, 72, 97)` looks like.

```
.text, #text, p{  
    color:rgb(1, 72, 97)  
}
```

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, 72, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 72, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 22.242, 245.095 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, 72, 97) }
```

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

```
.border{ border-color:rgb(1, 72, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 72, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 72, 97); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 72, 97); box-shadow:4px  
4px 4px 4px rgb(1, 72, 97) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 22.242, 245.095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 72, 97) }
```

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

```
.background{ background-color: rgb(1, 72,  
97) }
```

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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