

Converting Colors

CIELCh(44, 28.886, 237.972)

Have a look what the booklet for
CIELCh(44, 28.886, 237.972)
contains.

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Color

CIELCh(44, 28.886, 237.972)

Conversions

Conversions Part 1

Format	Color
Hex	007190
RGB	0, 113, 144
RGB Percent	0%, 44%, 56%
CMY	0.9993, 0.5567, 0.4351
CMYK	1.00, 0.22, 0.00, 0.44
HSL	193°, 100%, 28%
HSV	193°, 100%, 56%
XYZ	10.9512, 13.8382, 28.5012
YIQ	82.7470, -77.2990, -14.3150

Conversions

Conversions Part 2

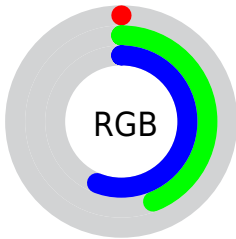
Format	Color
RYB	0, 63, 144
Decimal	29072
CIELab	44.00, -15.32, -24.49
CIELCh	44, 28.886, 237.972
Yxy	13.8382, 0.2055, 0.2597
Android (android.graphics.Color)	4278219152 (0xFF007190)
YUV	82.7470, 30.1977, -72.5691
Hunter-Lab	37.1997, -12.5510, -19.3863

Details

The CIELCh color **44, 28.886, 237.972** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **32, 63.617, 44.260**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 28.886, 237.880**, and **25, 22.780, 252.582** is the 20% darker color. If you saturate the color by 10%, you get **44, 28.898, 238.019**, and if you desaturate by 10%, it is **45, 27.949, 234.369**.

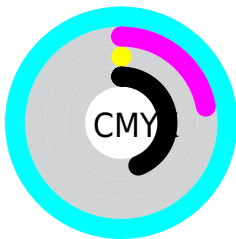
Distribution



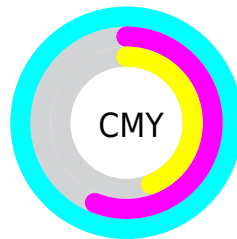
- Red (0%)
- Green (44%)
- Blue (56%)



- Red (0%)
- Yellow (25%)
- Blue (56%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (56%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 28.886, 237.972 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 44, 28.886, 237.972 by changing the saturation by 10% instead.


 44, 28.886,
237.972


 44, 28.886,
237.972


 100, 28.886,
237.972

 34, 28.886,
237.972

 64, 28.886,
237.972

 24, 28.886,
237.972

 74, 28.886,
237.972

 14, 28.886,
237.972

 84, 28.886,
237.972

 4, 28.886, 237.972

 94, 28.886,
237.972

 0, 28.886, 237.972

 44, 28.886,

 44, 28.886,

237.972

■ 44, 28.898,
238.019

237.972

■ 45, 27.949,
234.369

■ 46, 26.716,
231.201

■ 48, 24.986,
228.631

■ 49, 22.724,
226.590

■ 51, 19.938,
224.998

■ 52, 16.667,
223.776

■ 54, 12.967,
222.855

■ 56, 8.903, 222.181

Harmonies

Complementary

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



44, 28.886, 237.972



32, 63.617, 44.260

Rectangle

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



44, 28.886, 237.972



44, 28.886, 287.972



44, 28.886, 57.972



44, 28.886, 107.972

Sweetspot

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



44, 28.885, 237.972



68, 16.012, 222.915



52, 72.979, 138.922



35, 10.860, 223.238



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



44, 28.885, 237.972



56, 35.006, 238.954



23, 65.817, 297.622



29, 2.584, 221.704



41, 27.567, 237.752



1, 1.784, 221.303

Inverse Universe

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



32, 64.121, 338.837



42, 77.227, 339.122



46, 54.152, 79.355



28, 4.828, 331.605



30, 61.287, 338.775



1, 3.240, 331.073

Previews

White Background



This preview shows how the CIE LCh color 44, 28.886, 237.972 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 × Fail

Black Background



This preview shows how the CIELCh color 44, 28.886, 237.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

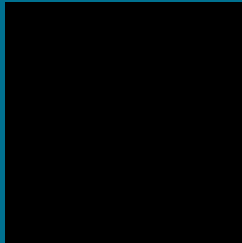
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 28.886, 237.972

Background



This preview shows how black text looks on a background with the CIELCh color 44, 28.886, 237.972.

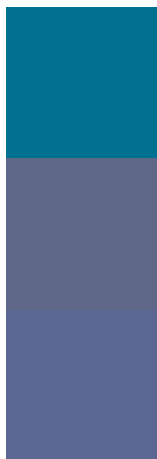


This preview shows how white text looks on a background with the CIELCh color 44, 28.886, 237.972.

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

44, 28.886, 237.972

Protanopia

44, 19.885, 284.771

Deuteranopia

44, 25.985, 283.458



Tritanopia
44, 26.883, 208.379

Trichromacy



Original Color
44, 28.886, 237.972

Protanomaly
43, 23.190, 255.131

Deuteranomaly
43, 26.328, 259.433

Tritanomaly
44, 26.792, 219.569

Monochromacy



Original Color
44, 28.886, 237.972

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 15.431, 224.155

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 28.886, 237.972 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(0, 113, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 144)  
}
```

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(0, 113, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 28.886, 237.972 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(0, 113, 144) }
```

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

```
.border{ border-color:rgb(0, 113, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 113, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 113,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 28.886, 237.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 144) }
```

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

```
.background{ background-color: rgb(0, 113,  
144) }
```

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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