

Converting Colors

CIELCh(43, 34.855, 228.201)

Have a look what the booklet for
CIELCh(43, 34.855, 228.201)
contains.

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Color

CIELCh(44, 28.769, 236.493)

Conversions

Conversions Part 1

Format	Color
Hex	00718F
RGB	0, 113, 143
RGB Percent	0%, 44%, 56%
CMY	1.0000, 0.5559, 0.4384
CMYK	1.00, 0.21, 0.00, 0.44
HSL	193°, 100%, 28%
HSV	193°, 100%, 56%
XYZ	10.8755, 13.8382, 28.1676
YIQ	82.6330, -76.9780, -14.6260

Conversions

Conversions Part 2

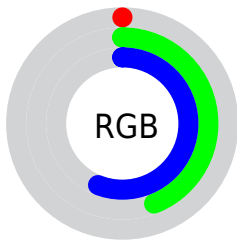
Format	Color
RYB	0, 63, 143
Decimal	29071
CIELab	44.00, -15.88, -23.99
CIELCh	44, 28.769, 236.493
Yxy	13.8382, 0.2057, 0.2617
Android (android.graphics.Color)	4278219151 (0xFF00718F)
YUV	82.6330, 29.7609, -72.4691
Hunter-Lab	37.1997, -12.9145, -18.8546

Details

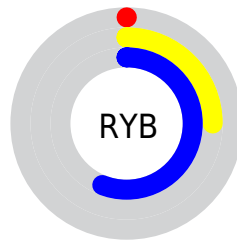
The CIELCh color **44, 28.769, 236.493** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **31, 63.551, 44.032**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 28.630, 236.834**, and **25, 22.780, 252.582** is the 20% darker color. If you saturate the color by 10%, you get **44, 28.667, 236.666**, and if you desaturate by 10%, it is **45, 27.779, 233.166**.

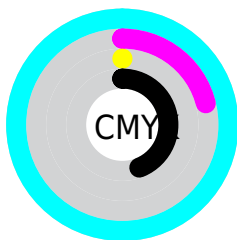
Distribution



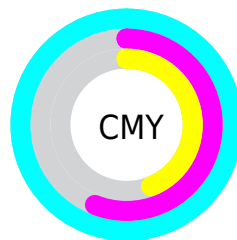
- Red (0%)
- Green (44%)
- Blue (56%)



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



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (44%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 28.769, 236.493 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, 28.769, 236.493 by changing the saturation by 10% instead.

 44, 28.769,
236.493

 44, 28.769,
236.493

 100, 28.769,
236.493

 34, 28.769,
236.493

 64, 28.769,
236.493

 24, 28.769,
236.493

 74, 28.769,
236.493

 14, 28.769,
236.493

 84, 28.769,
236.493

 4, 28.769, 236.493

 94, 28.769,
236.493

 0, 28.769, 236.493

 44, 28.769,

 44, 28.769,

236.493

236.493

■ 44, 28.667,
236.666

■ 45, 27.779,
233.166

■ 46, 26.593,
230.087

■ 48, 24.902,
227.595

■ 49, 22.673,
225.621

■ 51, 19.915,
224.085

■ 52, 16.667,
222.911

■ 54, 12.987,
222.031

■ 56, 8.940, 221.392

Harmonies

Complementary

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



44, 28.769, 236.493



31, 63.551, 44.032

Rectangle

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



44, 28.769, 236.493



44, 28.769, 286.493



44, 28.769, 56.493



44, 28.769, 106.493

Sweetspot

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



44, 28.667, 236.666



69, 16.049, 222.079



52, 72.699, 138.916



35, 10.884, 222.387



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, 28.667, 236.666



57, 34.863, 237.602



23, 65.592, 297.641



29, 2.591, 220.944



42, 27.469, 236.430



1, 1.789, 220.569

Inverse Universe

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



32, 64.158, 338.465



42, 77.582, 338.731



46, 53.962, 79.346



28, 4.849, 331.380



30, 61.562, 338.399



1, 3.254, 330.850

Previews

White Background



This preview shows how the CIE LCh color 44, 28.769, 236.493 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, 28.769, 236.493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

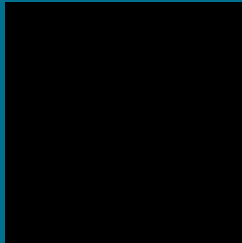
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 28.769, 236.493

Background



This preview shows how black text looks on a background with the CIELCh color 44, 28.769, 236.493.

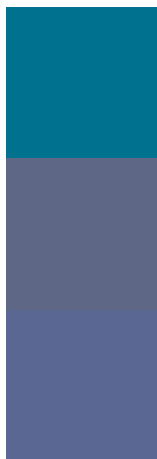


This preview shows how white text looks on a background with the CIELCh color 44, 28.769, 236.493.

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, 28.644, 236.776

Protanopia

44, 19.297, 284.404

Deuteranopia

44, 25.985, 283.458



Tritanopia
44, 27.107, 206.926

Trichromacy



Original Color
44, 28.644, 236.776

Protanomaly
43, 22.902, 253.490

Deuteranomaly
43, 26.328, 259.433

Tritanomaly
44, 26.893, 218.018

Monochromacy



Original Color
44, 28.644, 236.776

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, 28.769, 236.493 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, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 143)  
}
```

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, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 28.769, 236.493 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, 143) }
```

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

```
.border{ border-color:rgb(0, 113, 143) }
```

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, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 113,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 28.769, 236.493 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, 143) }
```

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

```
.background{ background-color: rgb(0, 113,  
143) }
```

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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