

Converting Colors

CIELCh(37, 78.231, 205.371)

Have a look what the booklet for
CIELCh(37, 78.231, 205.371)
contains.

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Color

CIELCh(43, 28.066, 234.603)

Conversions

Conversions Part 1

Format	Color
Hex	006F8B
RGB	0, 111, 139
RGB Percent	0%, 44%, 55%
CMY	1.0000, 0.5655, 0.4559
CMYK	1.00, 0.20, 0.00, 0.46
HSL	192°, 100%, 27%
HSV	192°, 100%, 54%
XYZ	10.2577, 13.1578, 26.3299
YIQ	81.0030, -75.1440, -14.8240

Conversions

Conversions Part 2

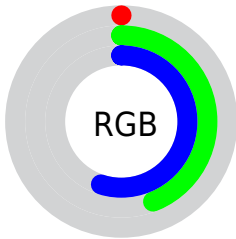
Format	Color
RYB	0, 62, 139
Decimal	28555
CIELab	43.00, -16.26, -22.88
CIELCh	43, 28.066, 234.603
Yxy	13.1578, 0.2062, 0.2645
Android (android.graphics.Color)	4278218635 (0xFF006F8B)
YUV	81.0030, 28.5925, -71.0396
Hunter-Lab	36.2736, -13.0012, -17.6452

Details

The CIELCh color **43, 28.066, 234.603** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **30, 62.104, 43.696**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 27.956, 235.079**, and **25, 21.795, 250.619** is the 20% darker color. If you saturate the color by 10%, you get **43, 27.899, 234.877**, and if you desaturate by 10%, it is **44, 27.070, 231.542**.

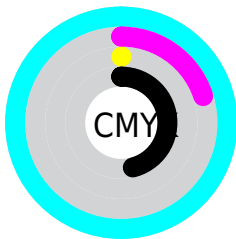
Distribution



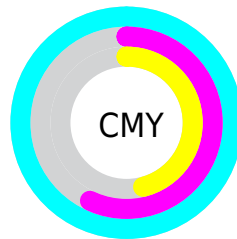
- Red (0%)
- Green (44%)
- Blue (55%)



- Red (0%)
- Yellow (24%)
- Blue (55%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (46%)



- Cyan (100%)
- Magenta (57%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 28.066, 234.603 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 43, 28.066, 234.603 by changing the saturation by 10% instead.

 43, 28.066,
234.603

 43, 28.066,
234.603


 100, 28.066,
234.603

 33, 28.066,
234.603

 63, 28.066,
234.603

 23, 28.066,
234.603

 73, 28.066,
234.603

 13, 28.066,
234.603

 83, 28.066,
234.603

 3, 28.066, 234.603

 93, 28.066,
234.603

 0, 28.066, 234.603

 43, 28.066,

 43, 28.066,

234.603

234.603

■ 43, 27.899,
234.877

■ 44, 27.070,
231.542

■ 45, 25.944,
228.606

■ 46, 24.314,
226.236

■ 48, 22.150,
224.365

■ 49, 19.463,
222.915

■ 51, 16.294,
221.811

■ 52, 12.700,
220.991

■ 54, 8.744, 220.402

Harmonies

Complementary

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



43, 28.066, 234.603



30, 62.104, 43.696

Rectangle

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



43, 28.066, 234.603



43, 28.066, 284.603



43, 28.066, 54.603



43, 28.066, 104.603

Sweetspot

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



43, 27.899, 234.877



67, 15.744, 221.037



50, 70.959, 138.967



34, 10.678, 221.320



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



43, 27.899, 234.877



56, 33.994, 235.818



22, 63.908, 297.538



28, 2.524, 220.000



41, 26.987, 234.695



1, 1.198, 219.660

Inverse Universe

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



31, 63.081, 337.965



41, 76.458, 338.227



44, 52.742, 79.424



27, 4.730, 331.098



29, 61.079, 337.914



0, 2.182, 330.576

Previews

White Background



This preview shows how the CIE LCh color 43, 28.066, 234.603 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 43, 28.066, 234.603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

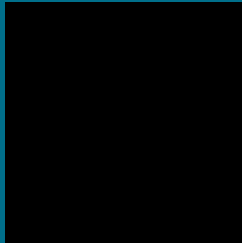
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 28.066, 234.603

Background



This preview shows how black text looks on a background with the CIELCh color 43, 28.066, 234.603.

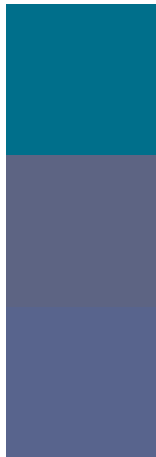


This preview shows how white text looks on a background with the CIELCh color 43, 28.066, 234.603.

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


43, 27.936, 234.882

Protanopia

43, 18.763, 285.174

Deuteranopia

43, 24.854, 284.317



Tritanopia
43, 26.542, 208.573

Trichromacy



Original Color
43, 27.936, 234.882

Protanomaly
42, 22.233, 253.643

Deuteranomaly
42, 25.239, 258.734

Tritanomaly
43, 26.412, 218.540

Monochromacy



Original Color
43, 27.936, 234.882

Achromatopsia
34, 0.005, 296.813

Achromatomaly
37, 15.012, 222.394

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 28.066, 234.603 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, 111, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 139)  
}
```

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, 111, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 28.066, 234.603 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, 111, 139) }
```

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

```
.border{ border-color:rgb(0, 111, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 111, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 111,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 28.066, 234.603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 139) }
```

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

```
.background{ background-color: rgb(0, 111,  
139) }
```

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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