

Converting Colors

CIELCh(37, 71.170, 210.737)

Have a look what the booklet for
CIELCh(37, 71.170, 210.737)
contains.

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Color

CIELCh(43, 29.636, 243.484)

Conversions

Conversions Part 1

Format	Color
Hex	006E91
RGB	0, 110, 145
RGB Percent	0%, 43%, 57%
CMY	1.0000, 0.5692, 0.4320
CMYK	1.00, 0.24, 0.00, 0.43
HSL	194°, 100%, 28%
HSV	194°, 100%, 57%
XYZ	10.6539, 13.1578, 28.7057
YIQ	81.1000, -76.7950, -12.4350

Conversions

Conversions Part 2

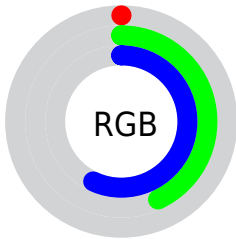
Format	Color
RYB	0, 63, 145
Decimal	28305
CIELab	43.00, -13.23, -26.52
CIELCh	43, 29.636, 243.484
Yxy	13.1578, 0.2029, 0.2505
Android (android.graphics.Color)	4278218385 (0xFF006E91)
YUV	81.1000, 31.5027, -71.1247
Hunter-Lab	36.2736, -11.0517, -21.5285

Details

The CIELCh color **43, 29.636, 243.484** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **32, 63.269, 45.316**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 29.545, 242.949**, and **24, 24.338, 259.526** is the 20% darker color. If you saturate the color by 10%, you get **43, 29.618, 243.520**, and if you desaturate by 10%, it is **44, 28.455, 239.548**.

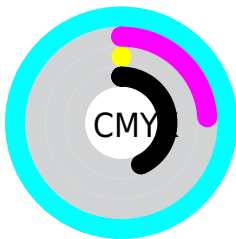
Distribution



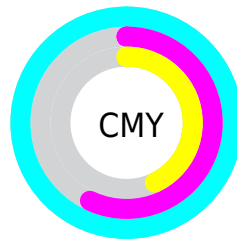
- Red (0%)
- Green (43%)
- Blue (57%)



- Red (0%)
- Yellow (25%)
- Blue (57%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (43%)



- Cyan (100%)
- Magenta (57%)
- Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 29.636, 243.484 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, 29.636, 243.484 by changing the saturation by 10% instead.

 43, 29.636,
243.484

 43, 29.636,
243.484

 100, 29.636,
243.484

 33, 29.636,
243.484

 63, 29.636,
243.484

 23, 29.636,
243.484

 73, 29.636,
243.484

 13, 29.636,
243.484

 83, 29.636,
243.484

 3, 29.636, 243.484

 93, 29.636,
243.484

 0, 29.636, 243.484

 43, 29.636,

 43, 29.636,

243.484

243.484

■ 43, 29.618,
243.520

■ 44, 28.455,
239.548

■ 46, 27.047,
236.007

■ 47, 25.189,
233.102

■ 49, 22.837,
230.771

■ 50, 19.992,
228.929

■ 52, 16.688,
227.493

■ 54, 12.976,
226.389

■ 56, 8.918, 225.556

Harmonies

Complementary

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



43, 29.636, 243.484



32, 63.269, 45.316

Rectangle

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



43, 29.636, 243.484



43, 29.636, 293.484



43, 29.636, 63.484



43, 29.636, 113.484

Sweetspot

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



43, 29.618, 243.520



69, 16.066, 226.450



52, 71.987, 139.686



35, 10.785, 226.836



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



43, 29.618, 243.520



55, 36.172, 244.564



22, 69.451, 299.277



29, 2.558, 224.924



40, 28.122, 243.204



1, 1.764, 224.412

Inverse Universe

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



32, 63.211, 340.493



42, 76.549, 340.820



47, 54.821, 82.354



28, 4.739, 332.566



30, 60.168, 340.396



1, 3.179, 332.022

Previews

White Background



This preview shows how the CIE LCh color 43, 29.636, 243.484 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, 29.636, 243.484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

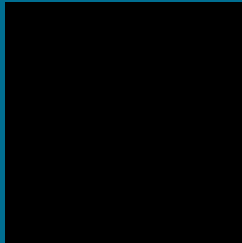
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 29.636, 243.484

Background



This preview shows how black text looks on a background with the CIELCh color 43, 29.636, 243.484.

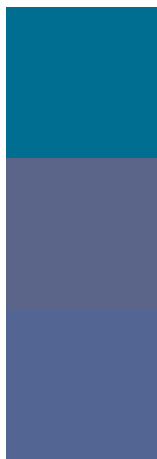


This preview shows how white text looks on a background with the CIELCh color 43, 29.636, 243.484.

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, 29.636, 243.484

Protanopia

43, 22.384, 285.337

Deuteranopia

43, 27.997, 282.110



Tritanopia
43, 26.594, 207.182

Trichromacy



Original Color
43, 29.636, 243.484

Protanomaly
42, 25.013, 259.645

Deuteranomaly
42, 28.336, 262.946

Tritanomaly
43, 26.551, 221.332

Monochromacy



Original Color
43, 29.636, 243.484

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 15.343, 229.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 29.636, 243.484 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, 110, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 110, 145)  
}
```

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, 110, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 29.636, 243.484 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, 110, 145) }
```

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

```
.border{ border-color:rgb(0, 110, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 110, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 110,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 29.636, 243.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 110, 145) }
```

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

```
.background{ background-color: rgb(0, 110,  
145) }
```

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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