

Converting Colors

CIELCh(43, 27.178, 229.420)

Have a look what the booklet for
CIELCh(43, 27.178, 229.420)
contains.

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Color

CIELCh(43, 27.161, 229.721)

Conversions

Conversions Part 1

Format	Color
Hex	006F87
RGB	0, 111, 135
RGB Percent	0%, 44%, 53%
CMY	0.9982, 0.5641, 0.4700
CMYK	1.00, 0.18, 0.00, 0.47
HSL	191°, 99%, 27%
HSV	191°, 100%, 53%
XYZ	10.0902, 13.1578, 24.9861
YIQ	80.5470, -73.8600, -16.0680

Conversions

Conversions Part 2

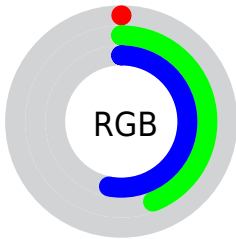
Format	Color
R _Y B	0, 61, 135
Decimal	28551
CIE Lab	43.00, -17.56, -20.72
CIE LCh	43, 27.161, 229.721
Yxy	13.1578, 0.2092, 0.2728
Android (android.graphics.Color)	4278218631 (0xFF006F87)
YUV	80.5470, 26.8453, -70.6397
Hunter-Lab	36.2736, -13.8255, -15.4487

Details

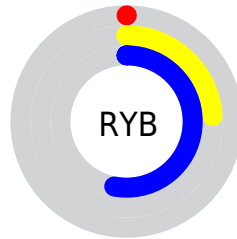
The CIELCh color **43, 27.161, 229.721** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **29, 61.098, 42.778**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 27.063, 229.133**, and **24, 20.332, 243.955** is the 20% darker color. If you saturate the color by 10%, you get **43, 27.185, 229.820**, and if you desaturate by 10%, it is **44, 26.464, 226.815**.

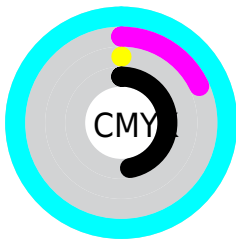
Distribution



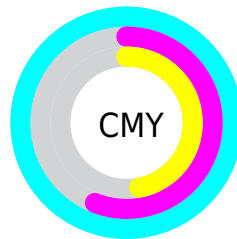
- Red (0%)
- Green (44%)
- Blue (53%)



- Red (0%)
- Yellow (24%)
- Blue (53%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (47%)





- Cyan (100%)
- Magenta (56%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 27.161, 229.721 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, 27.161, 229.721 by changing the saturation by 10% instead.


 43, 27.161,
229.721


 43, 27.161,
229.721


 100, 27.161,
229.721


 33, 27.161,
229.721

 63, 27.161,
229.721


 23, 27.161,
229.721

 73, 27.161,
229.721

 13, 27.161,
229.721

 83, 27.161,
229.721

 3, 27.161, 229.721

 93, 27.161,
229.721

 0, 27.161, 229.721

 43, 27.161,

 43, 27.161,

229.721

■ 43, 27.185,
229.820

229.721

■ 44, 26.464,
226.815

■ 45, 25.434,
224.287

■ 46, 23.877,
222.267

■ 47, 21.770,
220.689

■ 49, 19.131,
219.483

■ 50, 16.003,
218.585

■ 51, 12.445,
217.937

■ 53, 8.523, 217.496

Harmonies

Complementary

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



43, 27.161, 229.721



29, 61.098, 42.778

Rectangle

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



43, 27.161, 229.721



43, 27.161, 279.721



43, 27.161, 49.721



43, 27.161, 99.721

Sweetspot

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



43, 27.160, 229.721



66, 15.560, 217.993



49, 70.594, 138.346



34, 10.552, 218.212



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



43, 27.160, 229.721



55, 33.007, 230.667



23, 59.169, 295.528



28, 2.557, 217.239



42, 26.811, 229.752



1, 1.214, 216.997

Inverse Universe

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



30, 62.921, 336.570



40, 76.187, 336.823



42, 51.407, 76.499



27, 4.809, 330.289



30, 62.125, 336.580



0, 2.218, 329.776

Previews

White Background



This preview shows how the CIE LCh color 43, 27.161, 229.721 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, 27.161, 229.721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

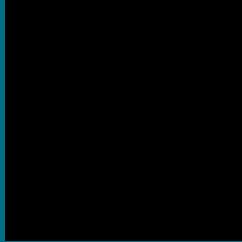
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 27.161, 229.721

Background



This preview shows how black text looks on a background with the CIELCh color 43, 27.161, 229.721.

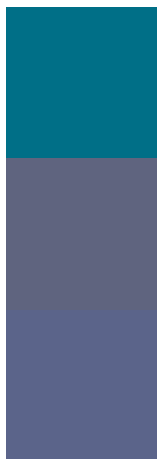


This preview shows how white text looks on a background with the CIELCh color 43, 27.161, 229.721.

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, 27.161, 229.721

Protanopia

43, 16.319, 286.067

Deuteranopia

43, 22.974, 285.659



Tritanopia
43, 26.542, 208.573

Trichromacy



Original Color
43, 27.161, 229.721

Protanomaly
42, 20.301, 249.595

Deuteranomaly
42, 23.660, 256.559

Tritanomaly
43, 26.363, 217.135

Monochromacy



Original Color
43, 27.161, 229.721

Achromatopsia
34, 0.005, 296.813

Achromatomaly
37, 14.869, 219.992

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 27.161, 229.721 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 27.161, 229.721 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, 135) }
```

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

```
.border{ border-color:rgb(0, 111, 135) }
```

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, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 135);  
box-shadow:4px 4px 4px 4px rgb(0, 111,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 27.161, 229.721 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, 135) }
```

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

```
.background{ background-color: rgb(0, 111,  
135) }
```

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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