

Converting Colors

CIELCh(43, 27.613, 237.865)

Have a look what the booklet for
CIELCh(43, 27.613, 237.865)
contains.

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Color

CIELCh(43, 27.715, 238.671)

Conversions

Conversions Part 1	
Format	Color
Hex	0D6E8C
RGB	13, 110, 140
RGB Percent	5%, 43%, 55%
CMY	0.9478, 0.5682, 0.4506
CMYK	0.91, 0.21, 0.00, 0.45
HSL	194°, 83%, 30%
HSV	194°, 91%, 55%
XYZ	10.4983, 13.1578, 26.8376
YIQ	84.4170, -67.4420, -11.2340

Conversions

Conversions Part 2

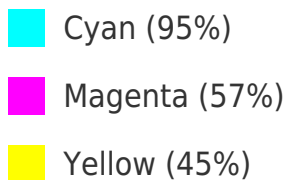
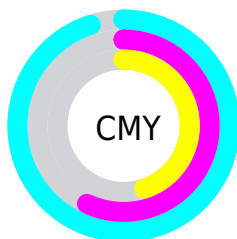
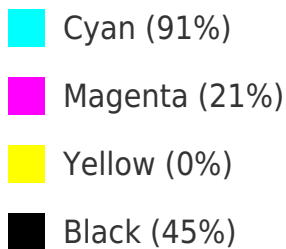
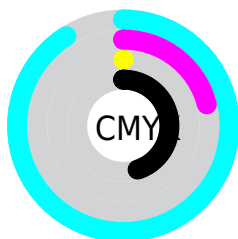
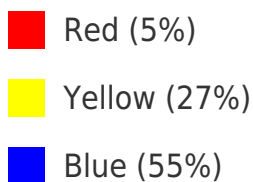
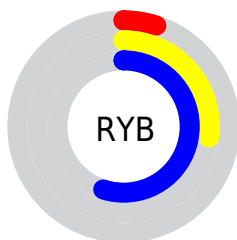
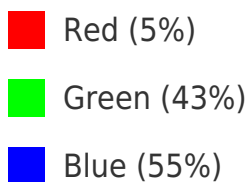
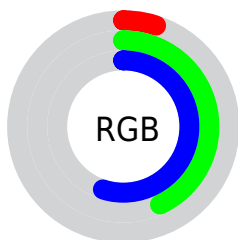
Format	Color
RYB	13, 68, 140
Decimal	880268
CIELab	43.00, -14.41, -23.67
CIELCh	43, 27.715, 238.671
Yxy	13.1578, 0.2079, 0.2606
Android (android.graphics.Color)	4279070348 (0xFF0D6E8C)
YUV	84.4170, 27.4024, -62.6327
Hunter-Lab	36.2736, -11.8175, -18.4751

Details

The CIELCh color **43, 27.715, 238.671** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **33, 55.972, 44.784**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 27.804, 238.430**, and **24, 22.534, 254.150** is the 20% darker color. If you saturate the color by 10%, you get **42, 28.760, 242.343**, and if you desaturate by 10%, it is **44, 26.390, 235.189**.


Distribution





Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 27.715, 238.671 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, 27.715, 238.671 by changing the saturation by 10% instead.


 43, 27.715,
238.671


 43, 27.715,
238.671


 100, 27.715,
238.671


 33, 27.715,
238.671


 63, 27.715,
238.671


 23, 27.715,
238.671


 73, 27.715,
238.671

 13, 27.715,
238.671

 83, 27.715,
238.671

 3, 27.715, 238.671

 93, 27.715,
238.671

 0, 27.715, 238.671

 43, 27.715,

 43, 27.715,

238.671

■ 42, 28.760,
242.343

238.671

■ 44, 26.390,
235.189

■ 46, 24.621,
232.334

■ 47, 22.366,
230.045

■ 49, 19.626,
228.239

■ 51, 16.432,
226.833

■ 52, 12.837,
225.754

■ 54, 8.899, 224.942

■ 56, 4.678, 224.363

Harmonies

Complementary

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



43, 27.715, 238.671



33, 55.972, 44.784

Rectangle

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



43, 27.715, 238.671



43, 27.715, 288.671



43, 27.715, 58.671



43, 27.715, 108.671

Sweetspot

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



43, 27.714, 238.671



67, 14.142, 225.490



51, 66.255, 141.237



35, 9.511, 225.757



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, 27.714, 238.671



54, 34.881, 243.374



24, 60.743, 296.353



28, 2.486, 224.305



40, 27.605, 242.091



1, 1.178, 223.816

Inverse Universe

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



32, 60.690, 338.989



41, 74.528, 340.448



47, 51.011, 84.082



27, 4.613, 332.377



29, 59.567, 340.054



0, 2.127, 331.839

Previews

White Background



This preview shows how the CIELCh color 43, 27.715, 238.671 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, 27.715, 238.671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

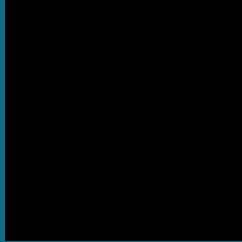
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 27.715, 238.671

Background



This preview shows how black text looks on a background with the CIELCh color 43, 27.715, 238.671.

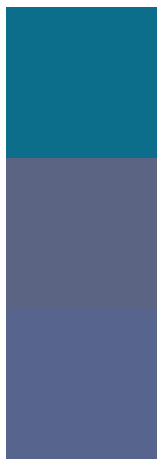


This preview shows how white text looks on a background with the CIELCh color 43, 27.715, 238.671.

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, 27.715, 238.671

Protanopia

43, 19.394, 284.507





Deuteranopia

43, 25.482, 283.946

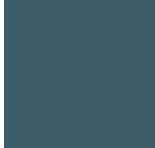


Tritanopia
43, 26.594, 207.182

Trichromacy

	Original Color 43, 27.715, 238.671
	Protanomaly 42, 22.120, 256.984
	Deuteranomaly 42, 25.257, 261.544
	Tritanomaly 43, 26.133, 218.808

Monochromacy

	Original Color 43, 27.715, 238.671
	Achromatopsia 36, 0.005, 296.813
	Achromatomaly 38, 13.908, 227.450

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 43, 27.715, 238.671 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(13, 110, 140)` looks like.

```
.text, #text, p{  
    color:rgb(13, 110, 140)  
}
```

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(13, 110, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 110, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 27.715, 238.671 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(13, 110, 140) }
```

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

```
.border{ border-color:rgb(13, 110, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 110, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 110, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 110, 140);  
box-shadow:4px 4px 4px 4px rgb(13, 110,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 27.715, 238.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 110, 140) }
```

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

```
.background{ background-color: rgb(13, 110,  
140) }
```

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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