

Converting Colors

CIELCh(42, 26.419, 227.972)

Have a look what the booklet for
CIELCh(42, 26.419, 227.972)
contains.

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Color

CIELCh(42, 26.455, 227.666)

Conversions

Conversions Part 1

Format	Color
Hex	016D83
RGB	1, 109, 131
RGB Percent	0%, 43%, 51%
CMY	0.9960, 0.5739, 0.4877
CMYK	0.99, 0.17, 0.00, 0.49
HSL	190°, 98%, 26%
HSV	190°, 99%, 51%
XYZ	9.5175, 12.5000, 23.2589
YIQ	79.2160, -71.4300, -16.0540

Conversions

Conversions Part 2

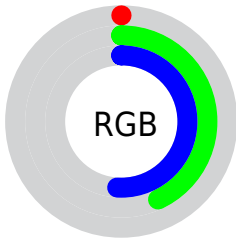
Format	Color
R_{YB}	1, 60, 131
Decimal	93571
CIE _{Lab}	42.00, -17.82, -19.56
CIE _{LCh}	42, 26.455, 227.666
Yxy	12.5000, 0.2102, 0.2761
Android (android.graphics.Color)	4278283651 (0xFF016D83)
YUV	79.2160, 25.5295, -68.5954
Hunter-Lab	35.3553, -13.8203, -14.2558

Details

The CIELCh color **42, 26.455, 227.666** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **28, 59.336, 42.333**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 26.499, 227.082**, and **23, 19.766, 243.166** is the 20% darker color. If you saturate the color by 10%, you get **42, 26.507, 227.872**, and if you desaturate by 10%, it is **43, 25.791, 224.955**.

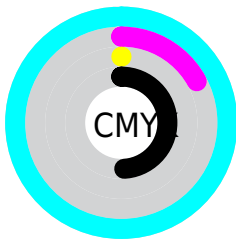
Distribution



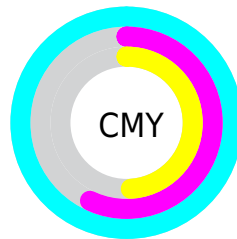
- Red (0%)
- Green (43%)
- Blue (51%)



- Red (0%)
- Yellow (24%)
- Blue (51%)



- Cyan (99%)
- Magenta (17%)
- Yellow (0%)
- Black (49%)



- Cyan (100%)
- Magenta (57%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 26.455, 227.666 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 42, 26.455, 227.666 by changing the saturation by 10% instead.

 42, 26.455,
227.666

 42, 26.455,
227.666

 100, 26.455,
227.666

 32, 26.455,
227.666

 62, 26.455,
227.666

 22, 26.455,
227.666

 72, 26.455,
227.666

 12, 26.455,
227.666

 82, 26.455,
227.666

 2, 26.455, 227.666

 92, 26.455,
227.666

 0, 26.455, 227.666

 42, 26.455,

 42, 26.455,

227.666

227.666

■ 42, 26.507,
227.872

■ 43, 25.791,
224.955

■ 44, 24.782,
222.611

■ 45, 23.249,
220.747

■ 46, 21.174,
219.298

■ 47, 18.578,
218.198

■ 49, 15.504,
217.386

■ 50, 12.011,
216.811

■ 51, 8.163, 216.431

Harmonies

Complementary

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



42, 26.455, 227.666



28, 59.336, 42.333

Rectangle

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



42, 26.455, 227.666



42, 26.455, 277.666



42, 26.455, 47.666



42, 26.455, 97.666

Sweetspot

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



42, 26.454, 227.666



64, 15.269, 216.883



47, 68.651, 138.443



33, 10.356, 217.077



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



42, 26.454, 227.666



54, 32.258, 228.711



22, 57.266, 295.275



27, 2.491, 216.234



42, 26.419, 227.856



0, 0.610, 216.029

Inverse Universe

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



29, 61.740, 336.029



39, 75.054, 336.307



41, 50.015, 76.672



26, 4.688, 329.993



29, 61.665, 336.084



0, 1.116, 329.487

Previews

White Background



This preview shows how the CIE LCh color 42, 26.455, 227.666 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 42, 26.455, 227.666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

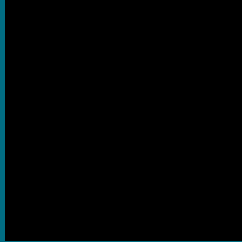
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 26.455, 227.666

Background



This preview shows how black text looks on a background with the CIELCh color 42, 26.455, 227.666.

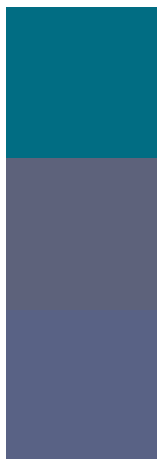


This preview shows how white text looks on a background with the CIELCh color 42, 26.455, 227.666.

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


42, 26.506, 227.596

Protanopia

42, 15.181, 285.383

Deuteranopia

42, 21.276, 284.729



Tritanopia
42, 26.030, 208.877

Trichromacy



Original Color
42, 26.506, 227.596

Protanomaly
41, 19.375, 247.506

Deuteranomaly
41, 22.252, 253.860

Tritanomaly
42, 25.977, 214.611

Monochromacy



Original Color
42, 26.506, 227.596

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 14.479, 218.030

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 26.455, 227.666 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(1, 109, 131)` looks like.

```
.text, #text, p{  
    color:rgb(1, 109, 131)  
}
```

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(1, 109, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 109, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 26.455, 227.666 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(1, 109, 131) }
```

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

```
.border{ border-color:rgb(1, 109, 131) }
```

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

Here you see how a box with a 4 pixel rgb(1, 109, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 109, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 109, 131);  
box-shadow:4px 4px 4px 4px rgb(1, 109,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 26.455, 227.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 109, 131) }
```

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

```
.background{ background-color: rgb(1, 109,  
131) }
```

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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