

Converting Colors

CIELCh(42, 25.589, 222.775)

Have a look what the booklet for
CIELCh(42, 25.589, 222.775)
contains.

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Color

CIELCh(42, 25.585, 222.506)

Conversions

Conversions Part 1

Format	Color
Hex	096D7F
RGB	9, 109, 127
RGB Percent	4%, 43%, 50%
CMY	0.9659, 0.5730, 0.5024
CMYK	0.93, 0.14, 0.00, 0.50
HSL	189°, 87%, 27%
HSV	189°, 93%, 50%
XYZ	9.3896, 12.5000, 21.9593
YIQ	81.1520, -65.3780, -15.6020

Conversions

Conversions Part 2

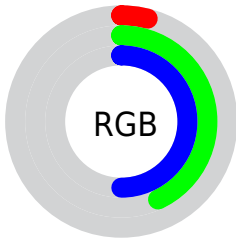
Format	Color
R _Y B	9, 63, 127
Decimal	617855
CIE Lab	42.00, -18.86, -17.29
CIE LCh	42, 25.585, 222.506
Yxy	12.5000, 0.2141, 0.2851
Android (android.graphics.Color)	4278807935 (0xFF096D7F)
YUV	81.1520, 22.6031, -63.2773
Hunter-Lab	35.3553, -14.4663, -12.0765

Details

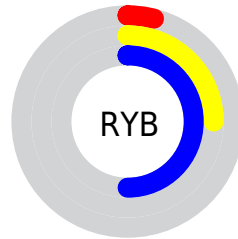
The CIELCh color **42, 25.585, 222.506** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **28, 55.157, 41.065**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 25.720, 222.314**, and **23, 18.615, 235.295** is the 20% darker color. If you saturate the color by 10%, you get **41, 25.995, 224.125**, and if you desaturate by 10%, it is **43, 24.822, 220.284**.

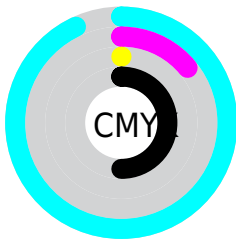
Distribution



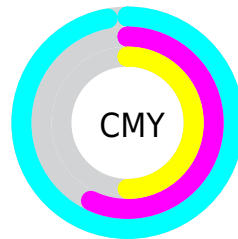
- Red (4%)
- Green (43%)
- Blue (50%)



- Red (4%)
- Yellow (25%)
- Blue (50%)



- Cyan (93%)
- Magenta (14%)
- Yellow (0%)
- Black (50%)





- Cyan (97%)
- Magenta (57%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 25.585, 222.506 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, 25.585, 222.506 by changing the saturation by 10% instead.


 42, 25.585,
222.506


 42, 25.585,
222.506


 100, 25.585,
222.506


 32, 25.585,
222.506

 62, 25.585,
222.506


 22, 25.585,
222.506

 72, 25.585,
222.506

 12, 25.585,
222.506

 82, 25.585,
222.506

 2, 25.585, 222.506

 92, 25.585,
222.506

 0, 25.585, 222.506

 42, 25.585,

 42, 25.585,

222.506

■ 41, 25.995,
224.125

222.506

■ 43, 24.822,
220.284

■ 44, 23.549,
218.509

■ 45, 21.733,
217.129

■ 46, 19.385,
216.085

■ 47, 16.540,
215.320

■ 48, 13.253,
214.786

■ 50, 9.588, 214.442

■ 51, 5.609, 214.263

Harmonies

Complementary

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



42, 25.585, 222.506



28, 55.157, 41.065

Rectangle

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



42, 25.585, 222.506



42, 25.585, 272.506



42, 25.585, 42.506



42, 25.585, 92.506

Sweetspot

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



42, 25.584, 222.506



63, 14.162, 214.610



46, 65.529, 138.857



32, 9.720, 214.752



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



42, 25.584, 222.506



54, 31.567, 224.885



23, 50.751, 292.147



26, 2.439, 214.244



42, 26.085, 224.140



0, 0.000, 0.000

Inverse Universe

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



29, 60.224, 334.658



38, 74.388, 335.321



40, 46.908, 76.396



25, 4.593, 329.409



28, 61.594, 335.131



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 42, 25.585, 222.506 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, 25.585, 222.506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

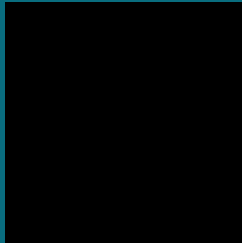
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 25.585, 222.506

Background



This preview shows how black text looks on a background with the CIELCh color 42, 25.585, 222.506.

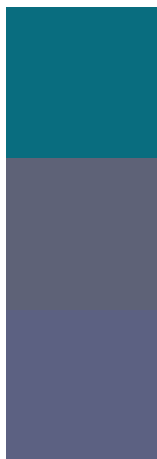


This preview shows how white text looks on a background with the CIELCh color 42, 25.585, 222.506.

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, 25.585, 222.506

Protanopia

42, 12.755, 285.240

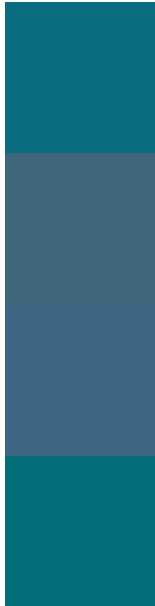
Deuteranopia

42, 19.993, 287.948



Tritanopia
42, 26.030, 208.877

Trichromacy



Original Color
42, 25.585, 222.506

Protanomaly
41, 17.370, 242.984

Deuteranomaly
41, 20.550, 254.896

Tritanomaly
42, 25.787, 213.312

Monochromacy



Original Color
42, 25.585, 222.506

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 13.547, 216.698

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 25.585, 222.506 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(9, 109, 127)` looks like.

```
.text, #text, p{  
    color:rgb(9, 109, 127)  
}
```

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(9, 109, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 109, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 25.585, 222.506 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(9, 109, 127) }
```

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

```
.border{ border-color:rgb(9, 109, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 109, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 109, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 109, 127);  
box-shadow:4px 4px 4px 4px rgb(9, 109,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 25.585, 222.506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 109, 127) }
```

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

```
.background{ background-color: rgb(9, 109,  
127) }
```

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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