

Converting Colors

CIELCh(38, 56.045, 201.066)

Have a look what the booklet for
CIELCh(38, 56.045, 201.066)
contains.

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Color

CIELCh(42, 25.801, 213.315)

Conversions

Conversions Part 1

Format	Color
Hex	026E7A
RGB	2, 110, 122
RGB Percent	1%, 43%, 48%
CMY	0.9923, 0.5698, 0.5227
CMYK	0.98, 0.10, 0.00, 0.52
HSL	186°, 97%, 24%
HSV	186°, 98%, 48%
XYZ	9.0644, 12.5000, 20.2552
YIQ	79.0760, -68.2200, -19.1640

Conversions

Conversions Part 2

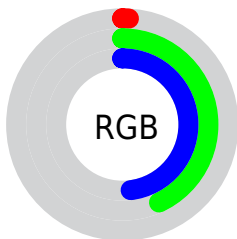
Format	Color
R_{YB}	2, 59, 122
Decimal	159354
CIE _{Lab}	42.00, -21.56, -14.17
CIE _{LCh}	42, 25.801, 213.315
Yxy	12.5000, 0.2167, 0.2989
Android (android.graphics.Color)	4278349434 (0xFF026E7A)
YUV	79.0760, 21.1615, -67.5957
Hunter-Lab	35.3553, -16.1080, -9.2188

Details

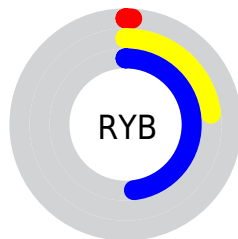
The CIELCh color **42, 25.801, 213.315** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 56.683, 39.821**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 25.781, 212.676**, and **23, 17.734, 221.658** is the 20% darker color. If you saturate the color by 10%, you get **42, 25.888, 213.537**, and if you desaturate by 10%, it is **43, 25.249, 211.926**.

Distribution



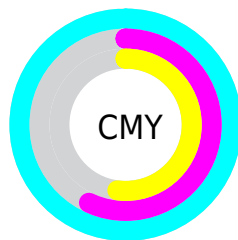
- Red (1%)
- Green (43%)
- Blue (48%)



- Red (1%)
- Yellow (23%)
- Blue (48%)



- Cyan (98%)
- Magenta (10%)
- Yellow (0%)
- Black (52%)





- Cyan (99%)
- Magenta (57%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 25.801, 213.315 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, 25.801, 213.315 by changing the saturation by 10% instead.


 42, 25.801,
213.315


 42, 25.801,
213.315


 100, 25.801,
213.315


 32, 25.801,
213.315

 62, 25.801,
213.315


 22, 25.801,
213.315

 72, 25.801,
213.315

 12, 25.801,
213.315

 82, 25.801,
213.315

 2, 25.801, 213.315

 92, 25.801,
213.315

 0, 25.801, 213.315

 42, 25.801,

 42, 25.801,

213.315

■ 42, 25.888,
213.537

213.315

■ 43, 25.249,
211.926

■ 43, 24.300,
210.761

■ 44, 22.801,
209.873

■ 45, 20.747,
209.229

■ 45, 18.164,
208.794

■ 46, 15.099,
208.535

■ 48, 11.614,
208.425

■ 49, 7.773, 208.442

Harmonies

Complementary

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



42, 25.801, 213.315



25, 56.683, 39.821

Rectangle

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



42, 25.801, 213.315



42, 25.801, 263.315



42, 25.801, 33.315



42, 25.801, 83.315

Sweetspot

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



42, 25.800, 213.314



61, 15.076, 208.439



44, 66.661, 137.441



31, 10.097, 208.471



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



42, 25.800, 213.314



54, 31.247, 214.008



23, 47.790, 290.340



25, 2.454, 208.578



43, 26.375, 213.588



83, 44.222, 214.635

Inverse Universe

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



28, 61.656, 332.428



36, 74.803, 332.616



36, 47.157, 70.966



24, 4.603, 327.753



28, 63.141, 332.513



58, 105.856, 332.769

Previews

White Background



This preview shows how the CIELCh color 42, 25.801, 213.315 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, 25.801, 213.315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

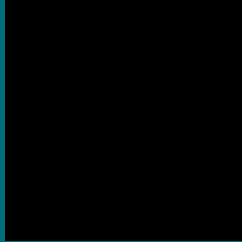
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 25.801, 213.315

Background



This preview shows how black text looks on a background with the CIELCh color 42, 25.801, 213.315.

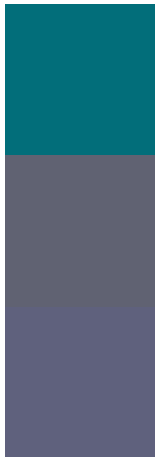


This preview shows how white text looks on a background with the CIELCh color 42, 25.801, 213.315.

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, 25.847, 213.266

Protanopia

42, 9.695, 287.017

Deuteranopia

42, 16.943, 290.150



Tritanopia
42, 26.030, 208.877

Trichromacy



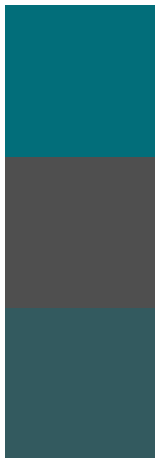
Original Color
42, 25.847, 213.266

Protanomaly
41, 16.060, 232.927

Deuteranomaly
41, 18.458, 245.031

Tritanomaly
42, 25.933, 210.346

Monochromacy



Original Color
42, 25.847, 213.266

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 14.264, 210.368

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 25.801, 213.315 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(2, 110, 122)` looks like.

```
.text, #text, p{  
    color:rgb(2, 110, 122)  
}
```

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(2, 110, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 110, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 25.801, 213.315 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(2, 110, 122) }
```

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

```
.border{ border-color:rgb(2, 110, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 110, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 110, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 110, 122);  
box-shadow:4px 4px 4px 4px rgb(2, 110,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 25.801, 213.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 110, 122) }
```

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

```
.background{ background-color: rgb(2, 110,  
122) }
```

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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