

Converting Colors

CIELCh(42, 24.942, 214.898)

Have a look what the booklet for
CIELCh(42, 24.942, 214.898)
contains.

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Color

CIELCh(42, 24.870, 215.557)

Conversions

Conversions Part 1

Format	Color
Hex	106D7A
RGB	16, 109, 122
RGB Percent	6%, 43%, 48%
CMY	0.9392, 0.5717, 0.5207
CMYK	0.87, 0.11, 0.00, 0.52
HSL	187°, 77%, 27%
HSV	187°, 87%, 48%
XYZ	9.2234, 12.5000, 20.4106
YIQ	82.6750, -59.6010, -15.6730

Conversions

Conversions Part 2

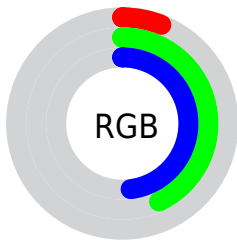
Format	Color
RYB	16, 66, 122
Decimal	1076602
CIELab	42.00, -20.23, -14.46
CIELCh	42, 24.870, 215.557
Yxy	12.5000, 0.2189, 0.2967
Android (android.graphics.Color)	4279266682 (0xFF106D7A)
YUV	82.6750, 19.3872, -58.4740
Hunter-Lab	35.3553, -15.3050, -9.4794

Details

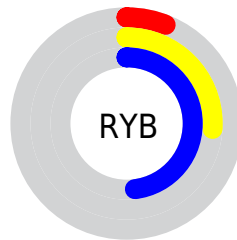
The CIELCh color **42, 24.870, 215.557** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 50.912, 39.112**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 24.750, 214.807**, and **23, 17.675, 224.306** is the 20% darker color. If you saturate the color by 10%, you get **41, 25.450, 217.317**, and if you desaturate by 10%, it is **43, 23.864, 214.095**.

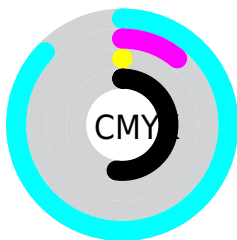
Distribution



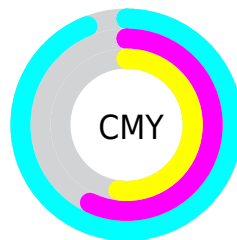
- Red (6%)
- Green (43%)
- Blue (48%)



- Red (6%)
- Yellow (26%)
- Blue (48%)



- Cyan (87%)
- Magenta (11%)
- Yellow (0%)
- Black (52%)





- Cyan (94%)
- Magenta (57%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 24.870, 215.557 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, 24.870, 215.557 by changing the saturation by 10% instead.


 42, 24.870,
215.557


 42, 24.870,
215.557


 100, 24.870,
215.557


 32, 24.870,
215.557

 62, 24.870,
215.557


 22, 24.870,
215.557

 72, 24.870,
215.557

 12, 24.870,
215.557

 82, 24.870,
215.557

 2, 24.870, 215.557

 92, 24.870,
215.557

 0, 24.870, 215.557

 42, 24.870,

 42, 24.870,

215.557

■ 41, 25.450,
217.317

■ 41, 25.599,
217.788

215.557

■ 43, 23.864,
214.095

■ 43, 22.316,
212.966

■ 44, 20.224,
212.124

■ 45, 17.617,
211.526

■ 46, 14.544,
211.132

■ 48, 11.064,
210.907

■ 49, 7.242, 210.826

■ 50, 3.142, 210.904

Harmonies

Complementary

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



42, 24.870, 215.557



27, 50.912, 39.112

Rectangle

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



42, 24.870, 215.557



42, 24.870, 265.557



42, 24.870, 35.557



42, 24.870, 85.557

Sweetspot

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



42, 24.869, 215.556



61, 13.031, 210.897



44, 62.477, 138.950



31, 8.700, 210.940



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, 24.869, 215.556



53, 30.815, 218.373



25, 43.372, 287.559



25, 2.411, 210.873



42, 26.004, 217.843



81, 43.629, 219.163

Inverse Universe

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



28, 58.676, 332.855



36, 73.569, 333.689



38, 43.438, 74.674



24, 4.534, 328.424



28, 62.120, 333.558



58, 104.055, 333.885

Previews

White Background



This preview shows how the CIELCh color 42, 24.870, 215.557 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, 24.870, 215.557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

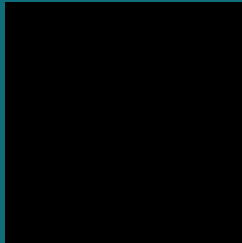
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 24.870, 215.557

Background



This preview shows how black text looks on a background with the CIELCh color 42, 24.870, 215.557.

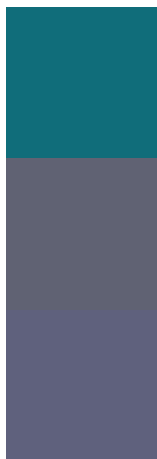


This preview shows how white text looks on a background with the CIELCh color 42, 24.870, 215.557.

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, 24.791, 215.625

Protanopia

42, 10.297, 287.390

Deuteranopia

42, 16.943, 290.150



Tritanopia
42, 25.590, 209.133

Trichromacy



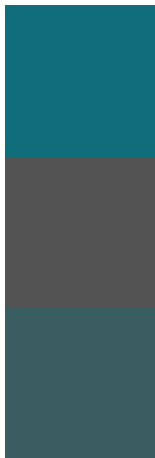
Original Color
42, 24.791, 215.625

Protanomaly
41, 15.199, 238.283

Deuteranomaly
41, 17.778, 250.715

Tritanomaly
42, 25.375, 210.706

Monochromacy



Original Color
42, 24.791, 215.625

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 13.053, 208.827

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 24.870, 215.557 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(16, 109, 122)` looks like.

```
.text, #text, p{  
    color:rgb(16, 109, 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(16, 109, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 109, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 24.870, 215.557 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(16, 109, 122) }
```

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

```
.border{ border-color:rgb(16, 109, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 109, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 109, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 109, 122);  
box-shadow:4px 4px 4px 4px rgb(16, 109,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 24.870, 215.557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 109, 122) }
```

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

```
.background{ background-color: rgb(16, 109,  
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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