

Converting Colors

CIELCh(42, 25.759, 217.760)

Have a look what the booklet for
CIELCh(42, 25.759, 217.760)
contains.

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Color

CIELCh(42, 25.700, 217.815)

Conversions

Conversions Part 1

Format	Color
Hex	046D7C
RGB	4, 109, 124
RGB Percent	2%, 43%, 49%
CMY	0.9844, 0.5712, 0.5124
CMYK	0.97, 0.12, 0.00, 0.51
HSL	187°, 94%, 25%
HSV	187°, 97%, 49%
XYZ	9.2150, 12.5000, 21.1112
YIQ	79.3150, -67.3950, -17.5950

Conversions

Conversions Part 2

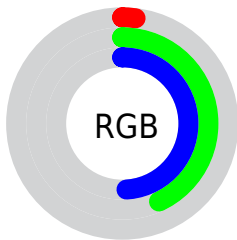
Format	Color
R_{YB}	4, 60, 124
Decimal	290172
CIE _{Lab}	42.00, -20.30, -15.76
CIE _{LCh}	42, 25.700, 217.815
Yxy	12.5000, 0.2152, 0.2919
Android (android.graphics.Color)	4278480252 (0xFF046D7C)
YUV	79.3150, 22.0297, -66.0513
Hunter-Lab	35.3553, -15.3477, -10.6541

Details

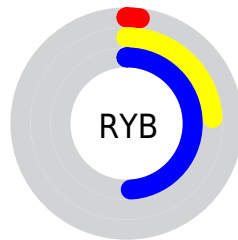
The CIELCh color **42, 25.700, 217.815** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **26, 56.583, 40.398**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 25.799, 218.061**, and **23, 17.979, 228.831** is the 20% darker color. If you saturate the color by 10%, you get **42, 25.876, 218.400**, and if you desaturate by 10%, it is **43, 25.108, 215.998**.

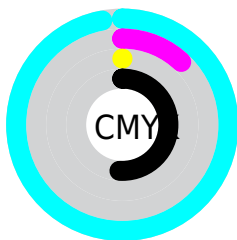
Distribution



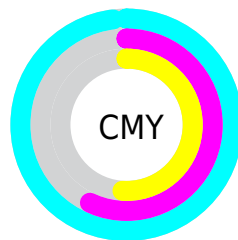
- Red (2%)
- Green (43%)
- Blue (49%)



- Red (2%)
- Yellow (24%)
- Blue (49%)



- Cyan (97%)
- Magenta (12%)
- Yellow (0%)
- Black (51%)





- Cyan (98%)
- Magenta (57%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 25.700, 217.815 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, 25.700, 217.815 by changing the saturation by 10% instead.


 42, 25.700,
217.815


 42, 25.700,
217.815


 100, 25.700,
217.815


 32, 25.700,
217.815

 62, 25.700,
217.815


 22, 25.700,
217.815

 72, 25.700,
217.815

 12, 25.700,
217.815

 82, 25.700,
217.815

 2, 25.700, 217.815

 92, 25.700,
217.815

 0, 25.700, 217.815

 42, 25.700,

 42, 25.700,

217.815

■ 42, 25.876,
218.400

217.815

■ 43, 25.108,
215.998

■ 43, 24.066,
214.504

■ 44, 22.475,
213.349

■ 45, 20.334,
212.488

■ 46, 17.672,
211.874

■ 47, 14.540,
211.467

■ 48, 11.000,
211.232

■ 50, 7.117, 211.143

Harmonies

Complementary

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



42, 25.700, 217.815



26, 56.583, 40.398

Rectangle

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



42, 25.700, 217.815



42, 25.700, 267.815



42, 25.700, 37.815



42, 25.700, 87.815

Sweetspot

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



42, 25.699, 217.814



61, 14.532, 211.284



45, 66.816, 137.816



31, 9.915, 211.365



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



42, 25.699, 217.814



53, 31.132, 218.990



23, 49.201, 291.087



25, 2.406, 211.180



42, 25.965, 218.412



81, 43.569, 219.769

Inverse Universe

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



28, 61.184, 333.519



37, 74.268, 333.842



37, 47.272, 72.694



24, 4.525, 328.513



28, 61.987, 333.699



58, 103.823, 334.035

Previews

White Background



This preview shows how the CIE LCh color 42, 25.700, 217.815 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, 25.700, 217.815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

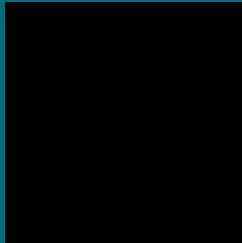
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 25.700, 217.815

Background



This preview shows how black text looks on a background with the CIELCh color 42, 25.700, 217.815.



This preview shows how white text looks on a background with the CIELCh color 42, 25.700, 217.815.

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, 25.642, 217.870

Protanopia

42, 11.524, 286.161

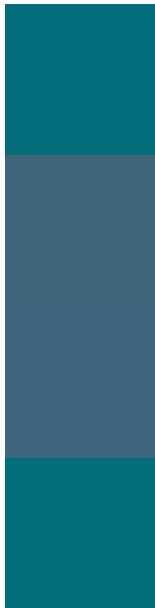
Deuteranopia

42, 18.157, 289.365



Tritanopia
42, 26.030, 208.877

Trichromacy



Original Color
42, 25.642, 217.870

Protanomaly
41, 16.915, 238.769

Deuteranomaly
41, 19.442, 250.266

Tritanomaly
42, 25.913, 211.783

Monochromacy



Original Color
42, 25.642, 217.870

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 14.266, 210.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 25.700, 217.815 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(4, 109, 124)` looks like.

```
.text, #text, p{  
    color:rgb(4, 109, 124)  
}
```

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(4, 109, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 109, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 25.700, 217.815 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(4, 109, 124) }
```

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

```
.border{ border-color:rgb(4, 109, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 109, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 109, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 109, 124);  
box-shadow:4px 4px 4px 4px rgb(4, 109,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 25.700, 217.815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 109, 124) }
```

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

```
.background{ background-color: rgb(4, 109,  
124) }
```

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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