

Converting Colors

CIELCh(37, 66.991, 200.816)

Have a look what the booklet for
CIELCh(37, 66.991, 200.816)
contains.

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Color

CIELCh(42, 25.876, 217.650)

Conversions

Conversions Part 1

Format	Color
Hex	016D7C
RGB	1, 109, 124
RGB Percent	0%, 43%, 49%
CMY	0.9954, 0.5709, 0.5121
CMYK	0.99, 0.12, 0.00, 0.51
HSL	187°, 98%, 25%
HSV	187°, 99%, 49%
XYZ	9.1928, 12.5000, 21.1380
YIQ	78.4180, -69.1830, -18.2310

Conversions

Conversions Part 2

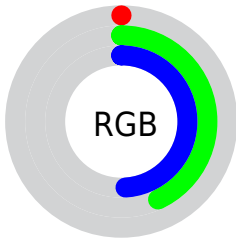
Format	Color
RYB	1, 59, 124
Decimal	93564
CIELab	42.00, -20.49, -15.81
CIELCh	42, 25.876, 217.650
Yxy	12.5000, 0.2146, 0.2918
Android (android.graphics.Color)	4278283644 (0xFF016D7C)
YUV	78.4180, 22.4719, -67.8956
Hunter-Lab	35.3553, -15.4598, -10.6991

Details

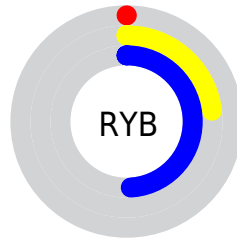
The CIELCh color **42, 25.876, 217.650** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **26, 57.718, 40.623**, and the grayscale version is **33, 0.005, 296.813**.

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, 25.928, 217.817**, and if you desaturate by 10%, it is **43, 25.326, 215.860**.

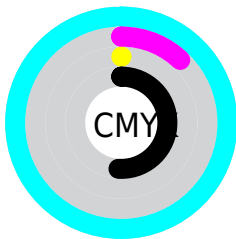
Distribution



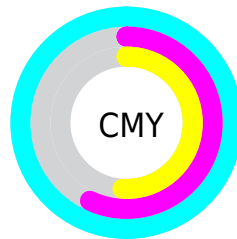
- Red (0%)
- Green (43%)
- Blue (49%)



- Red (0%)
- Yellow (23%)
- Blue (49%)



- Cyan (99%)
- Magenta (12%)
- Yellow (0%)
- Black (51%)





- Cyan (100%)
- Magenta (57%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 25.876, 217.650 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, 25.876, 217.650 by changing the saturation by 10% instead.


 42, 25.876,
217.650


 42, 25.876,
217.650


 100, 25.876,
217.650


 32, 25.876,
217.650

 62, 25.876,
217.650


 22, 25.876,
217.650

 72, 25.876,
217.650

 12, 25.876,
217.650

 82, 25.876,
217.650

 2, 25.876, 217.650

 92, 25.876,
217.650

 0, 25.876, 217.650

 42, 25.876,

 42, 25.876,

217.650

■ 42, 25.928,
217.817

217.650

■ 43, 25.326,
215.860

■ 43, 24.406,
214.330

■ 44, 22.940,
213.141

■ 45, 20.918,
212.248

■ 46, 18.365,
211.608

■ 47, 15.328,
211.180

■ 48, 11.865,
210.927

■ 50, 8.044, 210.822

Harmonies

Complementary

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



42, 25.876, 217.650



26, 57.718, 40.623

Rectangle

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



42, 25.876, 217.650



42, 25.876, 267.650



42, 25.876, 37.650



42, 25.876, 87.650

Sweetspot

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



42, 25.875, 217.649



61, 15.009, 210.958



45, 67.550, 137.624



31, 10.182, 211.036



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, 25.875, 217.649



54, 31.179, 218.389



22, 50.490, 291.846



25, 2.412, 210.864



42, 26.005, 217.827



81, 43.631, 219.146

Inverse Universe

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



28, 61.761, 333.501



37, 74.435, 333.693



37, 48.143, 72.287



24, 4.534, 328.421



28, 62.123, 333.555



58, 104.062, 333.881

Previews

White Background



This preview shows how the CIE LCh color 42, 25.876, 217.650 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, 25.876, 217.650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

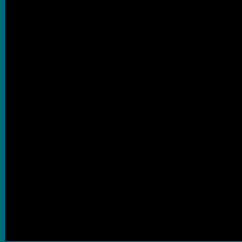
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 25.876, 217.650

Background



This preview shows how black text looks on a background with the CIELCh color 42, 25.876, 217.650.

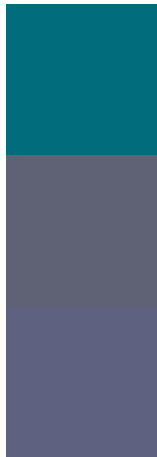


This preview shows how white text looks on a background with the CIELCh color 42, 25.876, 217.650.

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, 25.817, 217.705

Protanopia

42, 11.524, 286.161

Deuteranopia

42, 18.157, 289.365



Tritanopia
42, 26.030, 208.877

Trichromacy



Original Color
42, 25.817, 217.705

Protanomaly
41, 17.124, 238.155

Deuteranomaly
41, 19.375, 247.506

Tritanomaly
42, 25.975, 211.740

Monochromacy



Original Color
42, 25.817, 217.705

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 14.309, 212.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 25.876, 217.650 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(1, 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(1, 109, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 109, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 25.876, 217.650 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, 124) }
```

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

```
.border{ border-color:rgb(1, 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(1, 109, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 109, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 109, 124);  
box-shadow:4px 4px 4px 4px rgb(1, 109,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 25.876, 217.650 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, 124) }
```

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

```
.background{ background-color: rgb(1, 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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