

Converting Colors

CIELCh(36, 78.927, 198.232)

Have a look what the booklet for
CIELCh(36, 78.927, 198.232)
contains.

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Color

CIELCh(42, 25.836, 216.208)

Conversions

Conversions Part 1

Format	Color
Hex	016E7C
RGB	1, 110, 124
RGB Percent	0%, 43%, 49%
CMY	0.9943, 0.5705, 0.5156
CMYK	0.99, 0.11, 0.00, 0.52
HSL	187°, 98%, 25%
HSV	187°, 99%, 48%
XYZ	9.1497, 12.5000, 20.8414
YIQ	79.0050, -69.4580, -18.7540

Conversions

Conversions Part 2

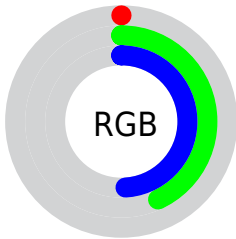
Format	Color
RYB	1, 59, 124
Decimal	93820
CIELab	42.00, -20.85, -15.26
CIElCh	42, 25.836, 216.208
Yxy	12.5000, 0.2153, 0.2942
Android (android.graphics.Color)	4278283900 (0xFF016E7C)
YUV	79.0050, 22.1825, -68.4104
Hunter-Lab	35.3553, -15.6773, -10.2017

Details

The CIELCh color **42, 25.836, 216.208** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **26, 57.372, 40.357**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 25.939, 216.564**, and **24, 17.978, 226.200** is the 20% darker color. If you saturate the color by 10%, you get **42, 25.899, 216.400**, and if you desaturate by 10%, it is **43, 25.288, 214.551**.

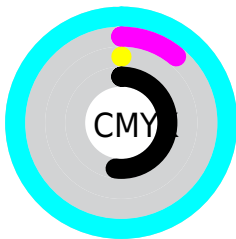
Distribution



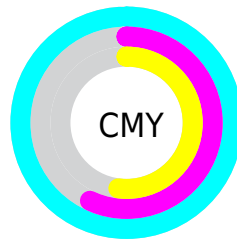
- Red (0%)
- Green (43%)
- Blue (49%)



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



- Cyan (99%)
- Magenta (11%)
- Yellow (0%)
- Black (52%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 25.836, 216.208 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, 25.836, 216.208 by changing the saturation by 10% instead.


 42, 25.836,
216.208


 42, 25.836,
216.208

 100, 25.836,
216.208


 32, 25.836,
216.208

 62, 25.836,
216.208


 22, 25.836,
216.208

 72, 25.836,
216.208

 12, 25.836,
216.208

 82, 25.836,
216.208

 2, 25.836, 216.208

 92, 25.836,
216.208

 0, 25.836, 216.208

 42, 25.836,

 42, 25.836,

216.208

216.208

■ 42, 25.899,
216.400

■ 43, 25.288,
214.551

■ 43, 24.361,
213.143

■ 44, 22.885,
212.055

■ 45, 20.854,
211.246

■ 46, 18.292,
210.675

■ 47, 15.247,
210.303

■ 48, 11.777,
210.098

■ 49, 7.950, 210.034

Harmonies

Complementary

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



42, 25.836, 216.208



26, 57.372, 40.357

Rectangle

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



42, 25.836, 216.208



42, 25.836, 266.208



42, 25.836, 36.208



42, 25.836, 86.208

Sweetspot

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



42, 25.835, 216.207



61, 15.092, 210.125



45, 67.534, 137.391



31, 10.238, 210.189



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, 25.835, 216.207



54, 31.303, 216.950



23, 48.616, 290.553



25, 2.425, 210.109



42, 26.112, 216.426



82, 43.797, 217.655

Inverse Universe

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



28, 61.722, 333.143



37, 74.839, 333.338



36, 47.849, 70.841



24, 4.557, 328.201



28, 62.453, 333.209



58, 104.643, 333.512

Previews

White Background



This preview shows how the CIE LCh color 42, 25.836, 216.208 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, 25.836, 216.208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

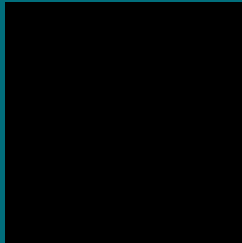
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 25.836, 216.208

Background



This preview shows how black text looks on a background with the CIELCh color 42, 25.836, 216.208.

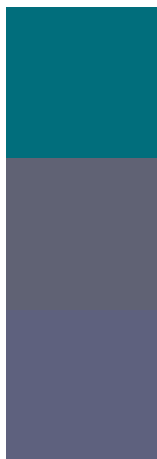


This preview shows how white text looks on a background with the CIELCh color 42, 25.836, 216.208.

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, 25.942, 216.096

Protanopia

42, 10.899, 287.731

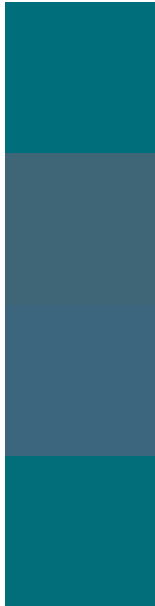
Deuteranopia

42, 17.556, 289.147



Tritanopia
42, 26.030, 208.877

Trichromacy



Original Color
42, 25.942, 216.096

Protanomaly
41, 16.613, 236.886

Deuteranomaly
41, 19.002, 245.995

Tritanomaly
42, 25.913, 211.783

Monochromacy



Original Color
42, 25.942, 216.096

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, 25.836, 216.208 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, 110, 124)` looks like.

```
.text, #text, p{  
    color:rgb(1, 110, 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, 110, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 110, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 25.836, 216.208 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, 110, 124) }
```

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

```
.border{ border-color:rgb(1, 110, 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, 110, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 110, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 110, 124);  
box-shadow:4px 4px 4px 4px rgb(1, 110,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 25.836, 216.208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 110, 124) }
```

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

```
.background{ background-color: rgb(1, 110,  
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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