

Converting Colors

CIELCh(42, 25.996, 213.497)

Have a look what the booklet for
CIELCh(42, 25.996, 213.497)
contains.

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Color

CIELCh(42, 25.969, 213.175)

Conversions

Conversions Part 1

Format	Color
Hex	006E7A
RGB	0, 110, 122
RGB Percent	0%, 43%, 48%
CMY	1.0000, 0.5695, 0.5224
CMYK	1.00, 0.10, 0.00, 0.52
HSL	186°, 100%, 24%
HSV	186°, 100%, 48%
XYZ	9.0436, 12.5000, 20.2761
YIQ	78.4780, -69.4120, -19.5880

Conversions

Conversions Part 2

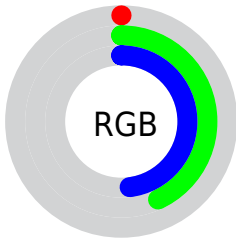
Format	Color
RYB	0, 58, 122
Decimal	28282
CIELab	42.00, -21.74, -14.21
CIELCh	42, 25.969, 213.175
Yxy	12.5000, 0.2163, 0.2989
Android (android.graphics.Color)	4278218362 (0xFF006E7A)
YUV	78.4780, 21.4563, -68.8252
Hunter-Lab	35.3553, -16.2132, -9.2538

Details

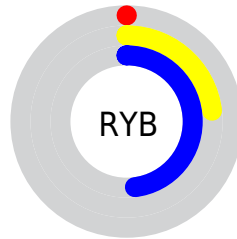
The CIELCh color **42, 25.969, 213.175** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 57.432, 40.054**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 25.988, 212.536**, and **23, 17.734, 221.658** is the 20% darker color. If you saturate the color by 10%, you get **42, 25.932, 213.201**, and if you desaturate by 10%, it is **43, 25.398, 211.838**.

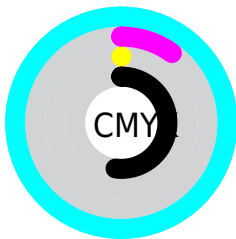
Distribution



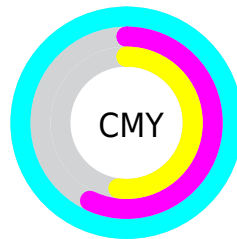
- Red (0%)
- Green (43%)
- Blue (48%)



- Red (0%)
- Yellow (23%)
- Blue (48%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (52%)





- Cyan (100%)
- Magenta (57%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 25.969, 213.175 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, 25.969, 213.175 by changing the saturation by 10% instead.


 42, 25.969,
213.175


 42, 25.969,
213.175


 100, 25.969,
213.175


 32, 25.969,
213.175

 62, 25.969,
213.175


 22, 25.969,
213.175

 72, 25.969,
213.175

 12, 25.969,
213.175

 82, 25.969,
213.175

 2, 25.969, 213.175

 92, 25.969,
213.175

 0, 25.969, 213.175

 42, 25.969,

 42, 25.969,

213.175

■ 42, 25.932,
213.201

213.175

■ 43, 25.398,
211.838

■ 43, 24.534,
210.652

■ 44, 23.124,
209.743

■ 45, 21.155,
209.080

■ 45, 18.651,
208.628

■ 46, 15.655,
208.356

■ 47, 12.227,
208.234

■ 49, 8.432, 208.240

Harmonies

Complementary

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



42, 25.969, 213.175



25, 57.432, 40.054

Rectangle

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



42, 25.969, 213.175



42, 25.969, 263.175



42, 25.969, 33.175



42, 25.969, 83.175

Sweetspot

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



42, 25.932, 213.201



61, 15.098, 208.238



44, 67.512, 137.107



31, 10.112, 208.267



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, 25.932, 213.201



54, 31.289, 213.662



23, 47.237, 289.636



25, 2.458, 208.396



43, 26.410, 213.251



83, 44.281, 214.276

Inverse Universe

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



27, 62.079, 332.418



36, 74.905, 332.531



35, 47.940, 69.209



24, 4.608, 327.700



28, 63.224, 332.430



58, 106.003, 332.681

Previews

White Background



This preview shows how the CIE LCh color 42, 25.969, 213.175 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, 25.969, 213.175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

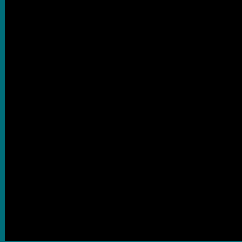
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 25.969, 213.175

Background



This preview shows how black text looks on a background with the CIELCh color 42, 25.969, 213.175.



This preview shows how white text looks on a background with the CIELCh color 42, 25.969, 213.175.

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](#).

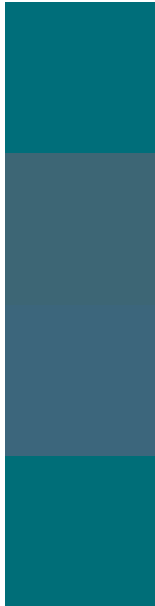
Dichromacy





Tritanopia
42, 26.030, 208.877

Trichromacy



Original Color
42, 25.969, 213.175

Protanomaly
41, 16.290, 232.347

Deuteranomaly
41, 18.640, 244.427

Tritanomaly
42, 25.995, 210.307

Monochromacy



Original Color
42, 25.969, 213.175

Achromatopsia
33, 0.005, 296.813

Achromatomaly
36, 14.531, 207.546

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 25.969, 213.175 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(0, 110, 122)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 110, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 25.969, 213.175 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(0, 110, 122) }
```

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

```
.border{ border-color:rgb(0, 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(0, 110, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 122);  
box-shadow:4px 4px 4px 4px rgb(0, 110,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 25.969, 213.175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 110, 122) }
```

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

```
.background{ background-color: rgb(0, 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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