

Converting Colors

CIELCh(42, 25.772, 211.414)

Have a look what the booklet for
CIELCh(42, 25.772, 211.414)
contains.

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Color

CIELCh(42, 25.808, 210.425)

Conversions

Conversions Part 1

Format	Color
Hex	036E78
RGB	3, 110, 120
RGB Percent	1%, 43%, 47%
CMY	0.9893, 0.5690, 0.5298
CMYK	0.98, 0.08, 0.00, 0.53
HSL	185°, 96%, 24%
HSV	185°, 98%, 47%
XYZ	8.9822, 12.5000, 19.6746
YIQ	79.1470, -66.9820, -19.5740

Conversions

Conversions Part 2

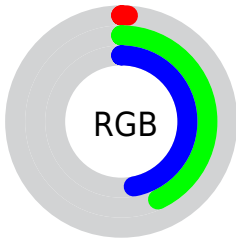
Format	Color
RYB	3, 59, 120
Decimal	224888
CIELab	42.00, -22.25, -13.07
CIELCh	42, 25.808, 210.425
Yxy	12.5000, 0.2182, 0.3037
Android (android.graphics.Color)	4278414968 (0xFF036E78)
YUV	79.1470, 20.1405, -66.7809
Hunter-Lab	35.3553, -16.5233, -8.2450

Details

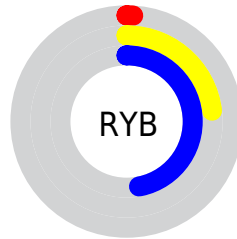
The CIELCh color **42, 25.808, 210.425** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 55.894, 39.245**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 25.736, 210.066**, and **23, 17.651, 219.348** is the 20% darker color. If you saturate the color by 10%, you get **42, 25.932, 210.677**, and if you desaturate by 10%, it is **42, 25.237, 209.302**.

Distribution



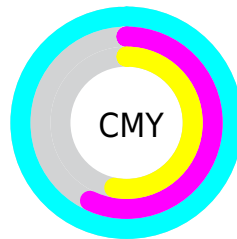
- Red (1%)
- Green (43%)
- Blue (47%)



- Red (1%)
- Yellow (23%)
- Blue (47%)



- Cyan (98%)
- Magenta (8%)
- Yellow (0%)
- Black (53%)





- Cyan (99%)
- Magenta (57%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 25.808, 210.425 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, 25.808, 210.425 by changing the saturation by 10% instead.


 42, 25.808,
210.425


 42, 25.808,
210.425


 100, 25.808,
210.425


 32, 25.808,
210.425

 62, 25.808,
210.425


 22, 25.808,
210.425

 72, 25.808,
210.425

 12, 25.808,
210.425

 82, 25.808,
210.425

 2, 25.808, 210.425

 92, 25.808,
210.425

 0, 25.808, 210.425

 42, 25.808,

 42, 25.808,

210.425

■ 42, 25.932,
210.677

210.425

■ 42, 25.237,
209.302

■ 43, 24.246,
208.379

■ 44, 22.705,
207.691

■ 44, 20.610,
207.212

■ 45, 17.991,
206.912

■ 46, 14.894,
206.767

■ 47, 11.380,
206.753

■ 48, 7.515, 206.853

Harmonies

Complementary

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



42, 25.808, 210.425



25, 55.894, 39.245

Rectangle

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



42, 25.808, 210.425



42, 25.808, 260.425



42, 25.808, 30.425



42, 25.808, 80.425

Sweetspot

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



42, 25.807, 210.424



60, 14.626, 206.746



43, 66.115, 137.257



31, 9.981, 206.746



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, 25.807, 210.424



54, 31.264, 211.070



23, 45.478, 288.787



25, 2.486, 207.039



44, 26.704, 210.745



84, 44.772, 211.609

Inverse Universe

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



27, 61.546, 331.711



36, 74.782, 331.896



35, 46.444, 69.628



24, 4.651, 327.301



28, 63.859, 331.817



59, 107.125, 332.028

Previews

White Background



This preview shows how the CIE LCh color 42, 25.808, 210.425 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, 25.808, 210.425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

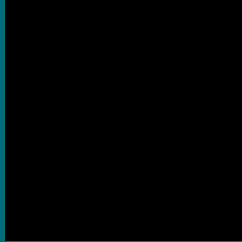
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 25.808, 210.425

Background



This preview shows how black text looks on a background with the CIELCh color 42, 25.808, 210.425.

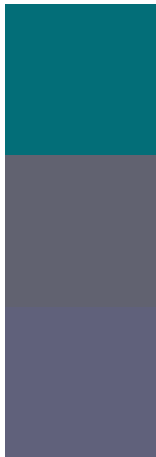


This preview shows how white text looks on a background with the CIELCh color 42, 25.808, 210.425.

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, 25.808, 210.425

Protanopia

42, 8.472, 288.777

Deuteranopia

42, 15.733, 291.113



Tritanopia
42, 26.030, 208.877

Trichromacy



Original Color
42, 25.808, 210.425

Protanomaly
41, 15.338, 229.285

Deuteranomaly
41, 17.566, 242.340

Tritanomaly
42, 25.967, 208.913

Monochromacy



Original Color
42, 25.808, 210.425

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 14.245, 207.782

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 25.808, 210.425 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(3, 110, 120)` looks like.

```
.text, #text, p{  
    color:rgb(3, 110, 120)  
}
```

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(3, 110, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 110, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 25.808, 210.425 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(3, 110, 120) }
```

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

```
.border{ border-color:rgb(3, 110, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 110, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 110, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 110, 120);  
box-shadow:4px 4px 4px 4px rgb(3, 110,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 25.808, 210.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 110, 120) }
```

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

```
.background{ background-color: rgb(3, 110,  
120) }
```

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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