

Converting Colors

CIELCh(42, 25.248, 216.952)

Have a look what the booklet for
CIELCh(42, 25.248, 216.952)
contains.

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Color

CIELCh(42, 25.184, 216.791)

Conversions

Conversions Part 1

Format	Color
Hex	0C6D7B
RGB	12, 109, 123
RGB Percent	5%, 43%, 48%
CMY	0.9542, 0.5716, 0.5167
CMYK	0.91, 0.11, 0.00, 0.52
HSL	188°, 83%, 26%
HSV	188°, 91%, 48%
XYZ	9.2312, 12.5000, 20.7443
YIQ	81.5930, -62.3060, -16.2100

Conversions

Conversions Part 2

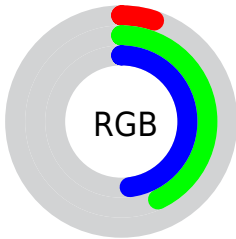
Format	Color
RYB	12, 64, 123
Decimal	814459
CIELab	42.00, -20.17, -15.08
CIELCh	42, 25.184, 216.791
Yxy	12.5000, 0.2173, 0.2943
Android (android.graphics.Color)	4279004539 (0xFF0C6D7B)
YUV	81.5930, 20.4137, -61.0331
Hunter-Lab	35.3553, -15.2657, -10.0390

Details

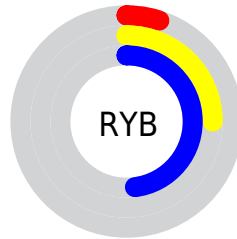
The CIELCh color **42, 25.184, 216.791** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 53.049, 39.755**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 25.028, 215.974**, and **23, 17.814, 226.587** is the 20% darker color. If you saturate the color by 10%, you get **41, 25.701, 218.545**, and if you desaturate by 10%, it is **43, 24.341, 215.149**.

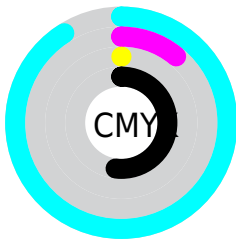
Distribution



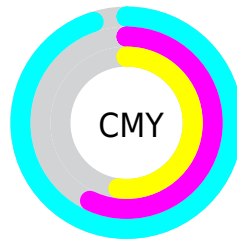
- Red (5%)
- Green (43%)
- Blue (48%)



- Red (5%)
- Yellow (25%)
- Blue (48%)



- Cyan (91%)
- Magenta (11%)
- Yellow (0%)
- Black (52%)





- Cyan (95%)
- Magenta (57%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 25.184, 216.791 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, 25.184, 216.791 by changing the saturation by 10% instead.


 42, 25.184,
216.791


 42, 25.184,
216.791


 100, 25.184,
216.791


 32, 25.184,
216.791

 62, 25.184,
216.791


 22, 25.184,
216.791

 72, 25.184,
216.791

 12, 25.184,
216.791

 82, 25.184,
216.791

 2, 25.184, 216.791

 92, 25.184,
216.791

 0, 25.184, 216.791

 42, 25.184,

 42, 25.184,

216.791

■ 41, 25.701,
218.545

216.791

■ 43, 24.341,
215.149

■ 43, 22.963,
213.865

■ 44, 21.037,
212.893

■ 45, 18.581,
212.186

■ 46, 15.640,
211.701

■ 48, 12.270,
211.401

■ 49, 8.537, 211.255

■ 50, 4.504, 211.254

Harmonies

Complementary

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



42, 25.184, 216.791



27, 53.049, 39.755

Rectangle

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



42, 25.184, 216.791



42, 25.184, 266.791



42, 25.184, 36.791



42, 25.184, 86.791

Sweetspot

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



42, 25.183, 216.790



62, 13.621, 211.344



45, 64.176, 138.527



32, 9.158, 211.398



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, 25.183, 216.790



53, 31.120, 219.163



24, 45.409, 288.785



25, 2.404, 211.270



42, 25.954, 218.580



81, 43.553, 219.948

Inverse Universe

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



28, 59.613, 333.202



37, 74.221, 333.885



38, 44.863, 74.004



24, 4.522, 328.540



28, 61.948, 333.741



58, 103.754, 334.080

Previews

White Background



This preview shows how the CIE LCh color 42, 25.184, 216.791 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, 25.184, 216.791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

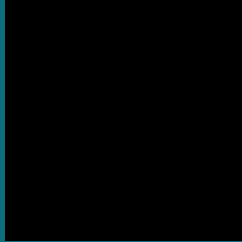
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

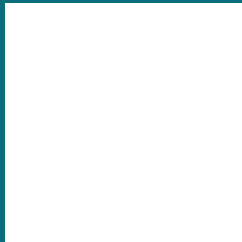
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 25.184, 216.791

Background



This preview shows how black text looks on a background with the CIELCh color 42, 25.184, 216.791.



This preview shows how white text looks on a background with the CIELCh color 42, 25.184, 216.791.

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, 25.121, 216.850

Protanopia

42, 10.925, 285.734

Deuteranopia

42, 17.556, 289.147



Tritanopia
42, 26.030, 208.877

Trichromacy



Original Color
42, 25.121, 216.850

Protanomaly
41, 15.959, 238.845

Deuteranomaly
41, 18.535, 250.783

Tritanomaly
42, 25.729, 211.911

Monochromacy



Original Color
42, 25.121, 216.850

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 13.394, 211.276

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 25.184, 216.791 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(12, 109, 123)` looks like.

```
.text, #text, p{  
    color:rgb(12, 109, 123)  
}
```

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(12, 109, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 109, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 25.184, 216.791 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(12, 109, 123) }
```

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

```
.border{ border-color:rgb(12, 109, 123) }
```

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

Here you see how a box with a 4 pixel rgb(12, 109, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 109, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 109, 123);  
box-shadow:4px 4px 4px 4px rgb(12, 109,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 25.184, 216.791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 109, 123) }
```

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

```
.background{ background-color: rgb(12, 109,  
123) }
```

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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