

Converting Colors

CIELCh(41, 25.473, 220.112)

Have a look what the booklet for
CIELCh(41, 25.473, 220.112)
contains.

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Color

CIELCh(41, 25.491, 219.587)

Conversions

Conversions Part 1

Format	Color
Hex	016B7B
RGB	1, 107, 123
RGB Percent	0%, 42%, 48%
CMY	0.9961, 0.5819, 0.5191
CMYK	0.99, 0.13, 0.00, 0.52
HSL	188°, 98%, 24%
HSV	188°, 99%, 48%
XYZ	8.7824, 11.8645, 20.4416
YIQ	77.1300, -68.3120, -17.4960

Conversions

Conversions Part 2

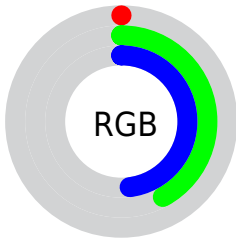
Format	Color
R_{YB}	1, 58, 123
Decimal	93051
CIE _{Lab}	41.00, -19.64, -16.24
CIE _{LCh}	41, 25.491, 219.587
Yxy	11.8645, 0.2137, 0.2888
Android (android.graphics.Color)	4278283131 (0xFF016B7B)
YUV	77.1300, 22.6139, -66.7660
Hunter-Lab	34.4449, -14.7667, -11.0746

Details

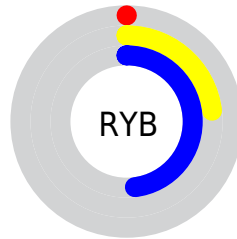
The CIELCh color **41, 25.491, 219.587** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **26, 56.894, 40.842**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 25.566, 218.311**, and **22, 17.861, 231.925** is the 20% darker color. If you saturate the color by 10%, you get **41, 25.536, 219.741**, and if you desaturate by 10%, it is **42, 24.924, 217.634**.

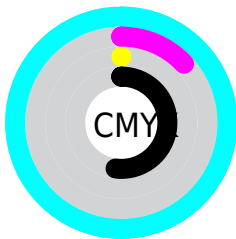
Distribution



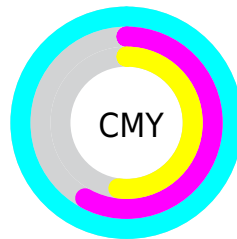
- Red (0%)
- Green (42%)
- Blue (48%)



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



- Cyan (99%)
- Magenta (13%)
- Yellow (0%)
- Black (52%)





- Cyan (100%)
- Magenta (58%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 25.491, 219.587 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 41, 25.491, 219.587 by changing the saturation by 10% instead.


 41, 25.491,
219.587


 41, 25.491,
219.587


 100, 25.491,
219.587


 31, 25.491,
219.587

 61, 25.491,
219.587


 21, 25.491,
219.587

 71, 25.491,
219.587

 11, 25.491,
219.587


 81, 25.491,
219.587

 1, 25.491, 219.587

 91, 25.491,
219.587

 0, 25.491, 219.587

 41, 25.491,

 41, 25.491,

219.587

■ 41, 25.536,
219.741

219.587

■ 42, 24.924,
217.634

■ 42, 24.009,
215.949

■ 43, 22.562,
214.632

■ 44, 20.574,
213.634

■ 45, 18.067,
212.906

■ 46, 15.087,
212.403

■ 47, 11.692,
212.088

■ 49, 7.946, 211.928

Harmonies

Complementary

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



41, 25.491, 219.587



26, 56.894, 40.842

Rectangle

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



41, 25.491, 219.587



41, 25.491, 269.587



41, 25.491, 39.587



41, 25.491, 89.587

Sweetspot

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



41, 25.490, 219.586



61, 14.900, 212.126



44, 66.852, 137.633



31, 10.108, 212.225



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41, 25.490, 219.586



53, 31.036, 220.407



22, 49.963, 291.831



25, 2.393, 211.924



42, 25.881, 219.792



81, 43.445, 221.236

Inverse Universe

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



27, 60.705, 333.982



37, 73.881, 334.194



37, 47.690, 72.311



24, 4.504, 328.730



28, 61.671, 334.041



58, 103.265, 334.401

Previews

White Background



This preview shows how the CIE LCh color 41, 25.491, 219.587 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 41, 25.491, 219.587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

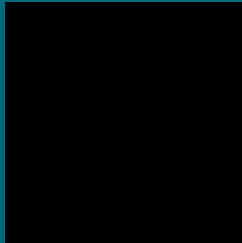
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 25.491, 219.587

Background



This preview shows how black text looks on a background with the CIELCh color 41, 25.491, 219.587.

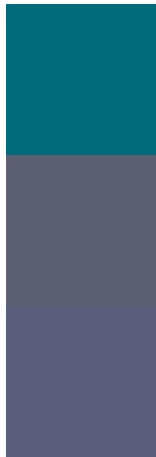


This preview shows how white text looks on a background with the CIELCh color 41, 25.491, 219.587.

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

41, 25.550, 219.526

Protanopia

41, 11.565, 286.200

Deuteranopia

41, 18.239, 288.293



Tritanopia
41, 25.516, 209.195

Trichromacy



Original Color
41, 25.550, 219.526

Protanomaly
40, 16.922, 238.916

Deuteranomaly
40, 19.621, 249.847

Tritanomaly
41, 25.468, 212.132

Monochromacy



Original Color
41, 25.550, 219.526

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 14.303, 212.991

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 25.491, 219.587 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, 107, 123)` looks like.

```
.text, #text, p{  
    color:rgb(1, 107, 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(1, 107, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 107, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 25.491, 219.587 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, 107, 123) }
```

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

```
.border{ border-color:rgb(1, 107, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 107, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 107, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 107, 123);  
box-shadow:4px 4px 4px 4px rgb(1, 107,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 25.491, 219.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 107, 123) }
```

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

```
.background{ background-color: rgb(1, 107,  
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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