

Converting Colors

CIELCh(39, 40.574, 209.505)

Have a look what the booklet for
CIELCh(39, 40.574, 209.505)
contains.

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Color

CIELCh(41, 25.609, 219.466)

Conversions

Conversions Part 1

Format	Color
Hex	006B7B
RGB	0, 107, 123
RGB Percent	0%, 42%, 48%
CMY	1.0000, 0.5816, 0.5189
CMYK	1.00, 0.13, 0.00, 0.52
HSL	188°, 100%, 24%
HSV	188°, 100%, 48%
XYZ	8.7678, 11.8645, 20.4595
YIQ	76.8310, -68.9080, -17.7080

Conversions

Conversions Part 2

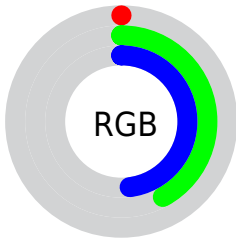
Format	Color
RYB	0, 57, 123
Decimal	27515
CIELab	41.00, -19.77, -16.28
CIELCh	41, 25.609, 219.466
Yxy	11.8645, 0.2134, 0.2887
Android (android.graphics.Color)	4278217595 (0xFF006B7B)
YUV	76.8310, 22.7613, -67.3808
Hunter-Lab	34.4449, -14.8424, -11.1054

Details

The CIELCh color **41, 25.609, 219.466** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 57.298, 40.923**, 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, 25.557, 219.518**, and if you desaturate by 10%, it is **42, 24.998, 217.583**.

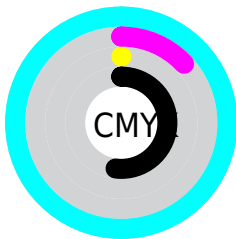
Distribution



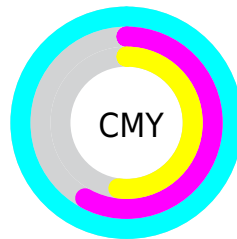
- Red (0%)
- Green (42%)
- Blue (48%)



- Red (0%)
- Yellow (22%)
- Blue (48%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (52%)



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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 25.609, 219.466 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, 25.609, 219.466 by changing the saturation by 10% instead.


 41, 25.609,
219.466


 41, 25.609,
219.466

 100, 25.609,
219.466

 31, 25.609,
219.466

 61, 25.609,
219.466


 21, 25.609,
219.466

 71, 25.609,
219.466

 11, 25.609,
219.466

 81, 25.609,
219.466

 1, 25.609, 219.466

 91, 25.609,
219.466

 0, 25.609, 219.466

 41, 25.609,

 41, 25.609,

219.466

■ 41, 25.557,
219.518

219.466

■ 42, 24.998,
217.583

■ 42, 24.125,
215.885

■ 43, 22.722,
214.555

■ 44, 20.775,
213.545

■ 45, 18.306,
212.807

■ 46, 15.359,
212.297

■ 47, 11.992,
211.974

■ 49, 8.268, 211.809

Harmonies

Complementary

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



41, 25.609, 219.466



25, 57.298, 40.923

Rectangle

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



41, 25.609, 219.466



41, 25.609, 269.466



41, 25.609, 39.466



41, 25.609, 89.466

Sweetspot

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



41, 25.557, 219.518



61, 14.912, 211.992



44, 67.109, 137.574



31, 10.117, 212.090



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, 25.557, 219.518



53, 31.050, 220.177



22, 50.426, 292.092



25, 2.395, 211.803



42, 25.894, 219.568



81, 43.463, 220.998

Inverse Universe

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



27, 60.923, 333.973



37, 73.943, 334.137



37, 48.023, 72.178



24, 4.507, 328.695



28, 61.722, 333.985



58, 103.355, 334.341

Previews

White Background



This preview shows how the CIE LCh color 41, 25.609, 219.466 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, 25.609, 219.466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

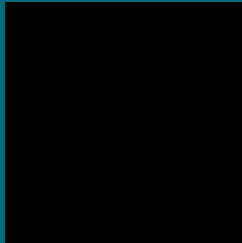
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 25.609, 219.466

Background



This preview shows how black text looks on a background with the CIELCh color 41, 25.609, 219.466.

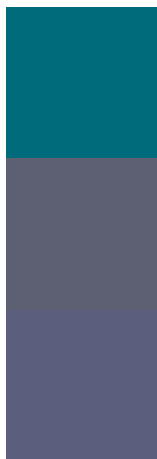


This preview shows how white text looks on a background with the CIELCh color 41, 25.609, 219.466.

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, 25.609, 219.466

Protanopia

41, 11.565, 286.200

Deuteranopia

41, 18.239, 288.293



Tritanopia
41, 25.516, 209.195

Trichromacy



Original Color
41, 25.609, 219.466

Protanomaly
40, 17.129, 238.305

Deuteranomaly
40, 19.621, 249.847

Tritanomaly
41, 25.468, 212.132

Monochromacy



Original Color
41, 25.609, 219.466

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, 25.609, 219.466 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, 107, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 107, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 25.609, 219.466 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, 107, 123) }
```

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

```
.border{ border-color:rgb(0, 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(0, 107, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 107,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 25.609, 219.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 123) }
```

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

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