

Converting Colors

CIELCh(40, 25.093, 220.274)

Have a look what the booklet for
CIELCh(40, 25.093, 220.274)
contains.

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Color

CIELCh(40, 25.066, 220.123)

Conversions

Conversions Part 1

Format	Color
Hex	016878
RGB	1, 104, 120
RGB Percent	0%, 41%, 47%
CMY	0.9965, 0.5923, 0.5296
CMYK	0.99, 0.13, 0.00, 0.53
HSL	188°, 99%, 24%
HSV	188°, 99%, 47%
XYZ	8.3432, 11.2510, 19.4850
YIQ	75.0270, -66.5240, -16.8600

Conversions

Conversions Part 2

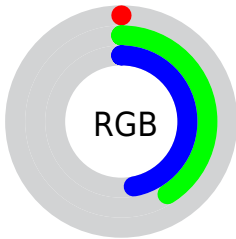
Format	Color
R_{YB}	1, 56, 120
Decimal	92280
CIE _{Lab}	40.00, -19.17, -16.15
CIE _{LCh}	40, 25.066, 220.123
Yxy	11.2510, 0.2135, 0.2879
Android (android.graphics.Color)	4278282360 (0xFF016878)
YUV	75.0270, 22.1717, -64.9217
Hunter-Lab	33.5425, -14.3001, -10.9621

Details

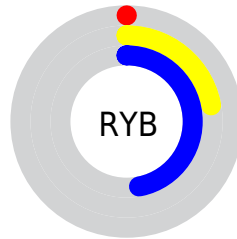
The CIELCh color **40, 25.066, 220.123** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 55.796, 40.814**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 25.001, 220.364**, and **22, 17.558, 232.857** is the 20% darker color. If you saturate the color by 10%, you get **40, 25.109, 220.266**, and if you desaturate by 10%, it is **41, 24.488, 218.139**.

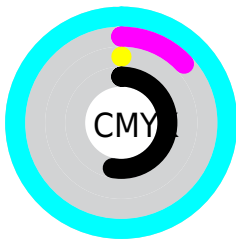
Distribution



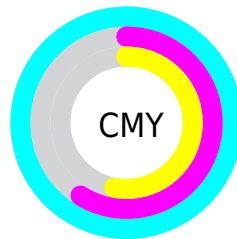
- Red (0%)
- Green (41%)
- Blue (47%)



- Red (0%)
- Yellow (22%)
- Blue (47%)



- Cyan (99%)
- Magenta (13%)
- Yellow (0%)
- Black (53%)





- Cyan (100%)
- Magenta (59%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 25.066, 220.123 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 40, 25.066, 220.123 by changing the saturation by 10% instead.


 40, 25.066,
220.123


 40, 25.066,
220.123


 100, 25.066,
220.123


 30, 25.066,
220.123

 60, 25.066,
220.123


 20, 25.066,
220.123

 70, 25.066,
220.123

 10, 25.066,
220.123

 80, 25.066,
220.123

 0, 25.066, 220.123

 90, 25.066,
220.123

 40, 25.066,

 40, 25.066,

220.123

■ 40, 25.109,
220.266

220.123

■ 41, 24.488,
218.139

■ 41, 23.581,
216.416

■ 42, 22.153,
215.068

■ 43, 20.198,
214.042

■ 44, 17.736,
213.291

■ 45, 14.813,
212.769

■ 46, 11.485,
212.435

■ 48, 7.814, 212.260

Harmonies

Complementary

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



40, 25.066, 220.123



25, 55.796, 40.814

Rectangle

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



40, 25.066, 220.123



40, 25.066, 270.123



40, 25.066, 40.123



40, 25.066, 90.123

Sweetspot

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



40, 25.065, 220.122



59, 14.486, 212.474



43, 65.327, 137.943



30, 9.831, 212.577



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



40, 25.065, 220.122



51, 30.278, 220.938



21, 50.521, 292.882



25, 2.388, 212.242



42, 25.850, 220.381



80, 43.399, 221.862

Inverse Universe

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



27, 59.646, 334.116



36, 72.010, 334.326



36, 46.946, 73.888



24, 4.494, 328.822



28, 61.537, 334.187



58, 103.030, 334.557

Previews

White Background



This preview shows how the CIELCh color 40, 25.066, 220.123 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 40, 25.066, 220.123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

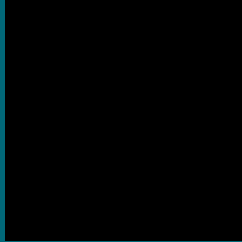
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

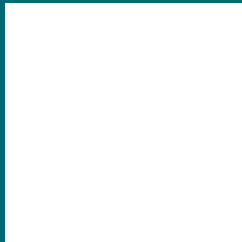
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 25.066, 220.123

Background



This preview shows how black text looks on a background with the CIELCh color 40, 25.066, 220.123.

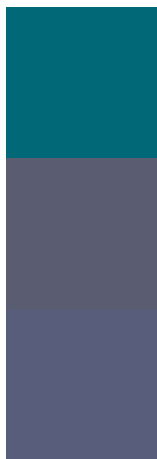


This preview shows how white text looks on a background with the CIELCh color 40, 25.066, 220.123.

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

40, 25.066, 220.123

Protanopia

40, 12.234, 286.657

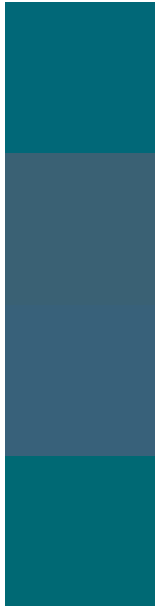
Deuteranopia

40, 18.328, 287.240



Tritanopia
40, 25.218, 207.930

Trichromacy



Original Color
40, 25.066, 220.123

Protanomaly
39, 17.054, 241.618

Deuteranomaly
39, 19.637, 250.049

Tritanomaly
40, 25.129, 212.403

Monochromacy



Original Color
40, 25.066, 220.123

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 13.972, 210.731

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 25.066, 220.123 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, 104, 120)` looks like.

```
.text, #text, p{  
    color:rgb(1, 104, 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(1, 104, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 104, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 25.066, 220.123 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, 104, 120) }
```

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

```
.border{ border-color:rgb(1, 104, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 104, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 104, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 104, 120);  
box-shadow:4px 4px 4px 4px rgb(1, 104,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 25.066, 220.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 104, 120) }
```

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

```
.background{ background-color: rgb(1, 104,  
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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