

Converting Colors

CIELCh(38, 46.764, 199.896)

Have a look what the booklet for
CIELCh(38, 46.764, 199.896)
contains.

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Color

CIELCh(41, 25.624, 206.278)

Conversions

Conversions Part 1

Format	Color
Hex	016C73
RGB	1, 108, 115
RGB Percent	0%, 42%, 45%
CMY	0.9944, 0.5783, 0.5508
CMYK	0.99, 0.06, 0.00, 0.55
HSL	184°, 98%, 23%
HSV	184°, 99%, 45%
XYZ	8.3998, 11.8645, 17.9285
YIQ	76.8050, -66.0190, -20.5070

Conversions

Conversions Part 2

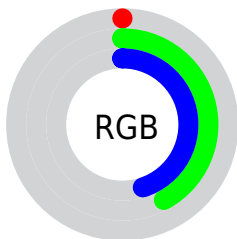
Format	Color
R_YB	1, 56, 115
Decimal	93299
CIE _{Lab}	41.00, -22.98, -11.34
CIE _{LCh}	41, 25.624, 206.278
Y _{xy}	11.8645, 0.2199, 0.3106
Android (android.graphics.Color)	4278283379 (0xFF016C73)
YUV	76.8050, 18.8301, -66.4810
Hunter-Lab	34.4449, -16.7493, -6.7488

Details

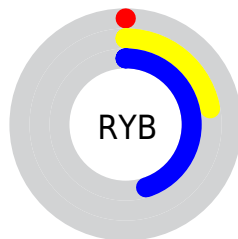
The CIELCh color **41, 25.624, 206.278** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **23, 54.444, 38.560**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 25.728, 206.166**, and **22, 17.185, 212.785** is the 20% darker color. If you saturate the color by 10%, you get **41, 25.697, 206.366**, and if you desaturate by 10%, it is **41, 25.027, 205.544**.

Distribution



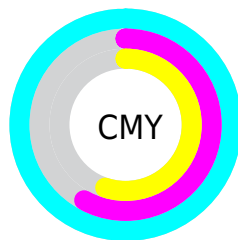
- Red (0%)
- Green (42%)
- Blue (45%)



- Red (0%)
- Yellow (22%)
- Blue (45%)



- Cyan (99%)
- Magenta (6%)
- Yellow (0%)
- Black (55%)





- Cyan (99%)
- Magenta (58%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 25.624, 206.278 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, 25.624, 206.278 by changing the saturation by 10% instead.


 41, 25.624,
206.278


 41, 25.624,
206.278


 100, 25.624,
206.278


 31, 25.624,
206.278

 61, 25.624,
206.278


 21, 25.624,
206.278

 71, 25.624,
206.278

 11, 25.624,
206.278


 81, 25.624,
206.278

 1, 25.624, 206.278

 91, 25.624,
206.278

 0, 25.624, 206.278

 41, 25.624,

 41, 25.624,

206.278

■ 41, 25.697,
206.366

206.278

■ 41, 25.027,
205.544

■ 42, 24.073,
204.934

■ 42, 22.585,
204.503

■ 43, 20.559,
204.232

■ 44, 18.017,
204.105

■ 44, 15.005,
204.102

■ 45, 11.580,
204.207

■ 46, 7.805, 204.408

Harmonies

Complementary

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



41, 25.624, 206.278



23, 54.444, 38.560

Rectangle

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



41, 25.624, 206.278



41, 25.624, 256.278



41, 25.624, 26.278



41, 25.624, 76.278

Sweetspot

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



41, 25.623, 206.277



57, 14.786, 204.178



42, 64.877, 136.797



29, 9.901, 204.140



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



41, 25.623, 206.277



52, 30.854, 206.640



23, 41.662, 286.196



23, 2.362, 204.708



43, 26.534, 206.419



84, 45.146, 207.045

Inverse Universe

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



26, 60.836, 330.703



34, 73.407, 330.809



32, 45.581, 66.687



22, 4.394, 326.602



27, 63.105, 330.754



58, 107.486, 330.908

Previews

White Background



This preview shows how the CIE LCh color 41, 25.624, 206.278 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, 25.624, 206.278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

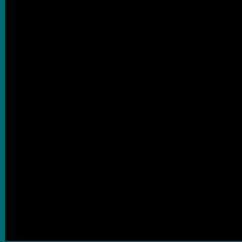
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

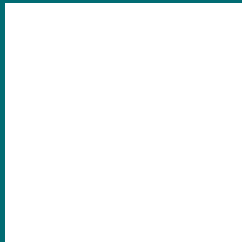
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 41, 25.624, 206.278

Background



This preview shows how black text looks on a background with the CIELCh color 41, 25.624, 206.278.

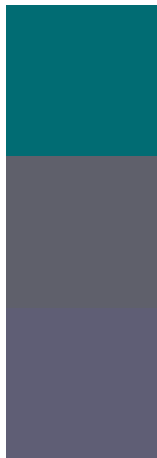


This preview shows how white text looks on a background with the CIELCh color 41, 25.624, 206.278.

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, 25.731, 206.226

Protanopia

41, 6.686, 287.772

Deuteranopia

41, 14.011, 293.818



Tritanopia
41, 24.865, 209.594

Trichromacy



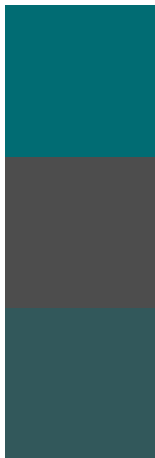
Original Color
41, 25.731, 206.226

Protanomaly
40, 14.760, 222.536

Deuteranomaly
40, 16.192, 238.371

Tritanomaly
41, 25.101, 207.987

Monochromacy



Original Color
41, 25.731, 206.226

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 13.959, 205.396

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 25.624, 206.278 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, 108, 115)` looks like.

```
.text, #text, p{  
    color:rgb(1, 108, 115)  
}
```

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, 108, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 108, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 25.624, 206.278 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, 108, 115) }
```

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

```
.border{ border-color:rgb(1, 108, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 108, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 108, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 108, 115);  
box-shadow:4px 4px 4px 4px rgb(1, 108,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 25.624, 206.278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 108, 115) }
```

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

```
.background{ background-color: rgb(1, 108,  
115) }
```

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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