

Converting Colors

CIELCh(41, 25.610, 197.617)

Have a look what the booklet for
CIELCh(41, 25.610, 197.617)
contains.

CIELCh(41, 25.622, 197.881)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(41, 25.622, 197.881)

Conversions

Conversions Part 1

Format	Color
Hex	0C6C6D
RGB	12, 108, 109
RGB Percent	5%, 42%, 43%
CMY	0.9545, 0.5771, 0.5732
CMYK	0.89, 0.01, 0.00, 0.57
HSL	181°, 81%, 24%
HSV	181°, 89%, 43%
XYZ	8.2415, 11.8645, 16.2758
YIQ	79.4100, -57.5370, -20.0410

Conversions

Conversions Part 2

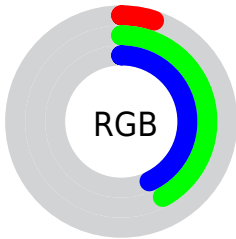
Format	Color
R_{YB}	12, 60, 109
Decimal	814189
CIE _{Lab}	41.00, -24.38, -7.87
CIE _{LCh}	41, 25.622, 197.881
Yxy	11.8645, 0.2265, 0.3261
Android (android.graphics.Color)	4279004269 (0xFF0C6C6D)
YUV	79.4100, 14.5879, -59.1186
Hunter-Lab	34.4449, -17.5699, -3.9041

Details

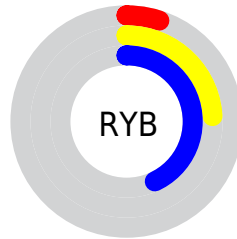
The CIELCh color **41, 25.622, 197.881** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **22, 49.168, 35.317**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 25.753, 197.180**, and **22, 17.533, 200.929** is the 20% darker color. If you saturate the color by 10%, you get **41, 26.350, 197.914**, and if you desaturate by 10%, it is **41, 24.588, 197.888**.

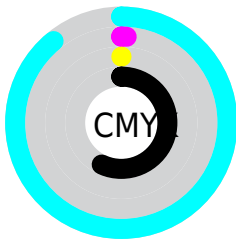
Distribution



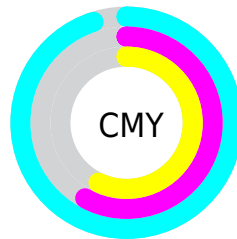
- Red (5%)
- Green (42%)
- Blue (43%)



- Red (5%)
- Yellow (24%)
- Blue (43%)



- Cyan (89%)
- Magenta (1%)
- Yellow (0%)
- Black (57%)





- Cyan (95%)
- Magenta (58%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 25.622, 197.881 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, 25.622, 197.881 by changing the saturation by 10% instead.


 41, 25.622,
197.881


 41, 25.622,
197.881


 100, 25.622,
197.881


 31, 25.622,
197.881

 61, 25.622,
197.881


 21, 25.622,
197.881

 71, 25.622,
197.881

 11, 25.622,
197.881


 81, 25.622,
197.881

 1, 25.622, 197.881

 91, 25.622,
197.881

 0, 25.622, 197.881

 41, 25.622,

 41, 25.622,

197.881

197.881

■ 41, 26.350,
197.914

■ 41, 24.588,
197.888

■ 41, 26.398,
197.916

■ 41, 23.042,
197.970

■ 42, 20.973,
198.125

■ 42, 18.399,
198.351

■ 43, 15.361,
198.645

■ 44, 11.911,
199.001

■ 44, 8.111, 199.417

■ 45, 4.025, 199.908

Harmonies

Complementary

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



41, 25.622, 197.881



22, 49.168, 35.317

Rectangle

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



41, 25.622, 197.881



41, 25.622, 247.881



41, 25.622, 17.881



41, 25.622, 67.881

Sweetspot

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



41, 25.622, 197.880



56, 13.571, 199.065



40, 60.854, 136.755



28, 9.135, 198.968



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



41, 25.622, 197.880



52, 31.661, 197.956



25, 32.894, 277.497



22, 2.390, 199.931



44, 27.840, 197.929



87, 47.868, 198.021

Inverse Universe

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



25, 58.701, 328.452



33, 73.488, 328.636



31, 40.395, 64.063



21, 4.376, 325.156



27, 64.613, 328.629



58, 111.134, 328.652

Previews

White Background



This preview shows how the CIE LCh color 41, 25.622, 197.881 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, 25.622, 197.881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

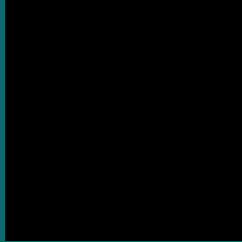
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 25.622, 197.881

Background



This preview shows how black text looks on a background with the CIELCh color 41, 25.622, 197.881.

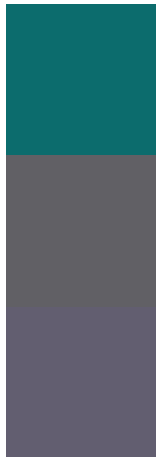


This preview shows how white text looks on a background with the CIELCh color 41, 25.622, 197.881.

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, 25.622, 197.881

Protanopia

41, 3.073, 298.310

Deuteranopia

41, 11.093, 299.933



Tritanopia
41, 23.951, 208.652

Trichromacy



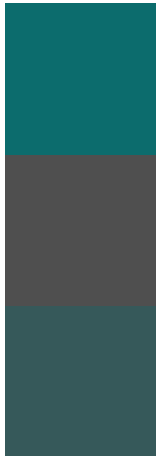
Original Color
41, 25.622, 197.881

Protanomaly
40, 12.710, 209.088

Deuteranomaly
40, 13.338, 231.764

Tritanomaly
41, 24.365, 205.422

Monochromacy



Original Color
41, 25.622, 197.881

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 13.125, 200.434

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 25.622, 197.881 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, 108, 109)` looks like.

```
.text, #text, p{  
    color:rgb(12, 108, 109)  
}
```

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, 108, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 108, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 25.622, 197.881 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, 108, 109) }
```

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

```
.border{ border-color:rgb(12, 108, 109) }
```

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

Here you see how a box with a 4 pixel rgb(12, 108, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 108, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 108, 109);  
box-shadow:4px 4px 4px 4px rgb(12, 108,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 25.622, 197.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 108, 109) }
```

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

```
.background{ background-color: rgb(12, 108,  
109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor