

Converting Colors

CIELCh(41, 23.137, 201.342)

Have a look what the booklet for
CIELCh(41, 23.137, 201.342)
contains.

CIELCh(41, 23.106, 201.368)	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, 23.106, 201.368)

Conversions

Conversions Part 1

Format	Color
Hex	1E6B6E
RGB	30, 107, 110
RGB Percent	12%, 42%, 43%
CMY	0.8835, 0.5812, 0.5694
CMYK	0.73, 0.03, 0.00, 0.57
HSL	182°, 57%, 27%
HSV	182°, 73%, 43%
XYZ	8.5659, 11.8645, 16.5310
YIQ	84.3190, -46.8550, -15.3910

Conversions

Conversions Part 2

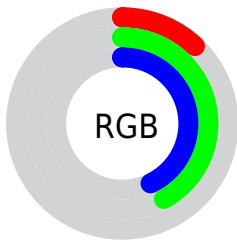
Format	Color
R_{YB}	30, 69, 110
Decimal	1993582
CIE _{Lab}	41.00, -21.52, -8.42
CIE _{LCh}	41, 23.106, 201.368
Yxy	11.8645, 0.2318, 0.3210
Android (android.graphics.Color)	4280183662 (0xFF1E6B6E)
YUV	84.3190, 12.6607, -47.6378
Hunter-Lab	34.4449, -15.8886, -4.3433

Details

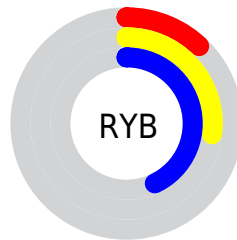
The CIELCh color **41, 23.106, 201.368** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 39.884, 31.833**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 23.074, 201.664**, and **22, 17.123, 205.740** is the 20% darker color. If you saturate the color by 10%, you get **41, 24.397, 201.587**, and if you desaturate by 10%, it is **41, 21.291, 201.266**.

Distribution



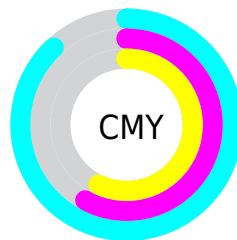
- Red (12%)
- Green (42%)
- Blue (43%)



- Red (12%)
- Yellow (27%)
- Blue (43%)



- Cyan (73%)
- Magenta (3%)
- Yellow (0%)
- Black (57%)




- Cyan (88%)
- Magenta (58%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 23.106, 201.368 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, 23.106, 201.368 by changing the saturation by 10% instead.


 41, 23.106,
201.368

 41, 23.106,
201.368


 100, 23.106,
201.368


 31, 23.106,
201.368

 61, 23.106,
201.368


 21, 23.106,
201.368

 71, 23.106,
201.368

 11, 23.106,
201.368


 81, 23.106,
201.368

 1, 23.106, 201.368

 91, 23.106,
201.368

 0, 23.106, 201.368

 41, 23.106,

 41, 23.106,

201.368

■ 41, 24.397,
201.587

■ 40, 25.191,
201.930

■ 40, 25.651,
202.190

201.368

■ 41, 21.291,
201.266

■ 42, 18.963,
201.274

■ 43, 16.156,
201.383

■ 43, 12.922,
201.580

■ 44, 9.319, 201.857

■ 45, 5.410, 202.214

■ 46, 1.257, 202.813

■ 47, 3.084, 22.834

■ 48, 7.563, 23.356

Harmonies

Complementary

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



41, 23.106, 201.368



25, 39.884, 31.833

Rectangle

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



41, 23.106, 201.368



41, 23.106, 251.368



41, 23.106, 21.368



41, 23.106, 71.368

Sweetspot

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



41, 23.106, 201.367



57, 11.101, 201.868



40, 53.304, 138.944



29, 7.362, 201.808



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, 23.106, 201.367



52, 30.234, 201.832



28, 28.751, 274.669



23, 2.418, 202.385



44, 27.293, 202.249



86, 46.491, 202.604

Inverse Universe

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



27, 52.033, 328.963



34, 70.315, 329.476



34, 33.284, 69.717



22, 4.468, 325.907



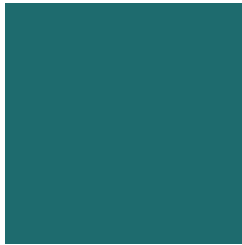
27, 64.281, 329.720



58, 109.605, 329.809

Previews

White Background



This preview shows how the CIELCh color 41, 23.106, 201.368 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, 23.106, 201.368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

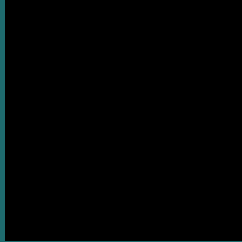
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

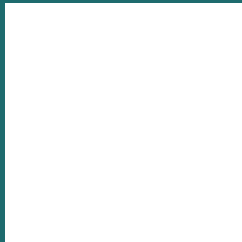
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 41, 23.106, 201.368

Background



This preview shows how black text looks on a background with the CIELCh color 41, 23.106, 201.368.



This preview shows how white text looks on a background with the CIELCh color 41, 23.106, 201.368.

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, 23.106, 201.368

Protanopia

41, 4.254, 290.826

Deuteranopia

41, 11.694, 299.567



Tritanopia
41, 22.139, 211.489

Trichromacy



Original Color
41, 23.106, 201.368

Protanomaly
40, 10.857, 214.595

Deuteranomaly
40, 12.106, 239.609

Tritanomaly
41, 22.322, 208.064

Monochromacy



Original Color
41, 23.106, 201.368

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 10.797, 201.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 23.106, 201.368 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(30, 107, 110)` looks like.

```
.text, #text, p{  
    color:rgb(30, 107, 110)  
}
```

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(30, 107, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 107, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 23.106, 201.368 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(30, 107, 110) }
```

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

```
.border{ border-color:rgb(30, 107, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 107, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 107, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 107, 110);  
box-shadow:4px 4px 4px 4px rgb(30, 107,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 23.106, 201.368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 107, 110) }
```

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

```
.background{ background-color: rgb(30, 107,  
110) }
```

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