

Converting Colors

CIELCh(41, 17.153, 201.515)

Have a look what the booklet for
CIELCh(41, 17.153, 201.515)
contains.

CIELCh(41, 17.148, 201.511)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(41, 17.148, 201.511)

Conversions

Conversions Part 1

Format	Color
Hex	37686A
RGB	55, 104, 106
RGB Percent	22%, 41%, 42%
CMY	0.7825, 0.5904, 0.5826
CMYK	0.48, 0.02, 0.00, 0.58
HSL	182°, 31%, 32%
HSV	182°, 48%, 42%
XYZ	9.2197, 11.8645, 15.5601
YIQ	89.5770, -29.8460, -9.7660

Conversions

Conversions Part 2

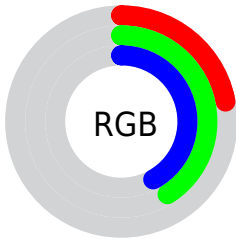
Format	Color
R_{YB}	55, 80, 106
Decimal	3631210
CIE _{Lab}	41.00, -15.95, -6.29
CIE _{LCh}	41, 17.148, 201.511
Yxy	11.8645, 0.2516, 0.3238
Android (android.graphics.Color)	4281821290 (0xFF37686A)
YUV	89.5770, 8.0965, -30.3240
Hunter-Lab	34.4449, -12.5005, -2.6721

Details

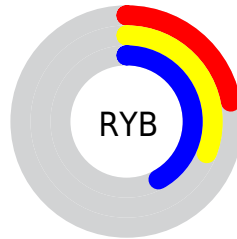
The CIELCh color **41, 17.148, 201.511** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **30, 23.947, 26.790**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 17.009, 201.744**, and **21, 16.951, 201.124** is the 20% darker color. If you saturate the color by 10%, you get **40, 19.661, 201.458**, and if you desaturate by 10%, it is **42, 14.194, 201.654**.

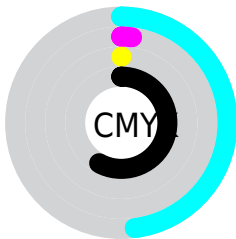
Distribution



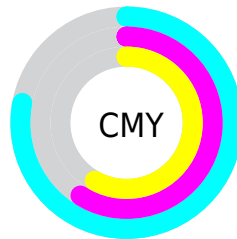
- Red (22%)
- Green (41%)
- Blue (42%)



- Red (22%)
- Yellow (31%)
- Blue (42%)



- Cyan (48%)
- Magenta (2%)
- Yellow (0%)
- Black (58%)





- Cyan (78%)
- Magenta (59%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 17.148, 201.511 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, 17.148, 201.511 by changing the saturation by 10% instead.


 41, 17.148,
201.511


 41, 17.148,
201.511


 100, 17.148,
201.511


 31, 17.148,
201.511

 61, 17.148,
201.511


 21, 17.148,
201.511

 71, 17.148,
201.511


 11, 17.148,
201.511


 81, 17.148,
201.511

 1, 17.148, 201.511

 91, 17.148,
201.511

 0, 17.148, 201.511

 41, 17.148,

 41, 17.148,

201.511

■ 40, 19.661,
201.458

■ 40, 21.692,
201.514

■ 40, 23.217,
201.686

■ 39, 24.236,
201.984

■ 39, 24.907,
202.369

■ 39, 25.047,
202.447

201.511

■ 42, 14.194,
201.654

■ 42, 10.855,
201.884

■ 43, 7.189, 202.192

■ 44, 3.257, 202.600

■ 45, 0.884, 22.491

■ 46, 5.181, 23.252

■ 47, 9.592, 23.743

■ 49, 14.078, 24.235

■ 50, 18.609, 24.734

Harmonies

Complementary

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



41, 17.148, 201.511



30, 23.947, 26.790

Rectangle

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



41, 17.148, 201.511



41, 17.148, 251.511



41, 17.148, 21.511



41, 17.148, 71.511

Sweetspot

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



41, 17.148, 201.509



56, 7.013, 202.320



40, 36.214, 141.737



28, 4.784, 202.261



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



41, 17.148, 201.509



52, 23.822, 201.458



33, 18.579, 267.186



22, 2.322, 202.548



43, 26.823, 202.517



85, 46.028, 202.900

Inverse Universe

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



32, 35.934, 327.966



38, 51.603, 328.448



37, 20.582, 73.088



21, 4.291, 325.950



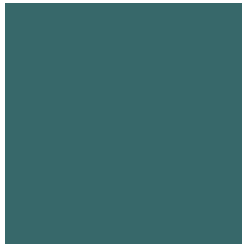
27, 63.222, 329.787



57, 108.602, 329.882

Previews

White Background



This preview shows how the CIELCh color 41, 17.148, 201.511 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, 17.148, 201.511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

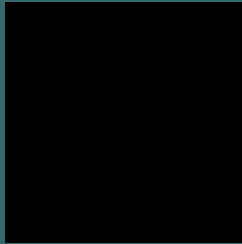
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 17.148, 201.511

Background



This preview shows how black text looks on a background with the CIELCh color 41, 17.148, 201.511.



This preview shows how white text looks on a background with the CIELCh color 41, 17.148, 201.511.

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, 17.148, 201.511

Protanopia

41, 3.073, 298.310

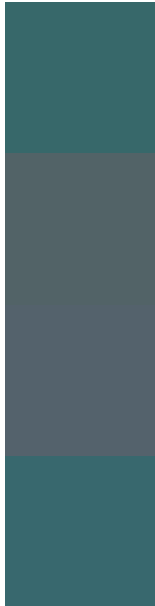
Deuteranopia

41, 9.469, 306.167



Tritanopia
41, 16.633, 214.761

Trichromacy



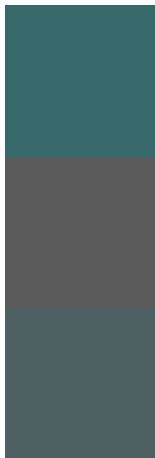
Original Color
41, 17.148, 201.511

Protanomaly
41, 7.023, 219.016

Deuteranomaly
41, 7.998, 248.648

Tritanomaly
41, 16.797, 210.189

Monochromacy



Original Color
41, 17.148, 201.511

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 7.170, 203.462

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 17.148, 201.511 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(55, 104, 106)` looks like.

```
.text, #text, p{  
    color:rgb(55, 104, 106)  
}
```

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(55, 104, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 104, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 17.148, 201.511 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(55, 104, 106) }
```

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

```
.border{ border-color:rgb(55, 104, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 104, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 104, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 104, 106);  
box-shadow:4px 4px 4px 4px rgb(55, 104,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 17.148, 201.511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 104, 106) }
```

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

```
.background{ background-color: rgb(55, 104,  
106) }
```

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