

Converting Colors

CIELCh(41, 19.359, 215.408)

Have a look what the booklet for
CIELCh(41, 19.359, 215.408)
contains.

CIELCh(41, 19.302, 213.967)	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, 19.302, 213.967)

Conversions

Conversions Part 1

Format	Color
Hex	2F6972
RGB	47, 105, 114
RGB Percent	18%, 41%, 45%
CMY	0.8167, 0.5891, 0.5538
CMYK	0.59, 0.08, 0.00, 0.55
HSL	188°, 42%, 31%
HSV	188°, 59%, 45%
XYZ	9.2131, 11.8645, 17.6550
YIQ	88.6840, -37.4570, -9.4970

Conversions

Conversions Part 2

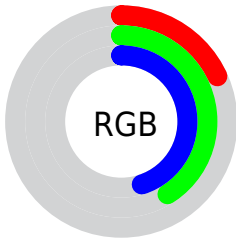
Format	Color
RYB	47, 78, 114
Decimal	3107186
CIELab	41.00, -16.01, -10.78
CIElCh	41, 19.302, 213.967
Yxy	11.8645, 0.2379, 0.3063
Android (android.graphics.Color)	4281297266 (0xFF2F6972)
YUV	88.6840, 12.4808, -36.5569
Hunter-Lab	34.4449, -12.5347, -6.2781




Details

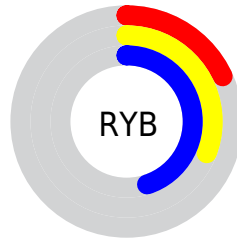
The CIELCh color **41, 19.302, 213.967** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **31, 30.094, 35.118**, and the grayscale version is **38, 0.005, 296.813**.




A 20% lighter version of the original color is **61, 19.203, 215.072**, and **22, 16.829, 215.723** is the 20% darker color. If you saturate the color by 10%, you get **40, 21.210, 214.962**, and if you desaturate by 10%, it is **42, 16.914, 213.236**.

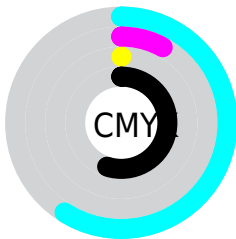
Distribution







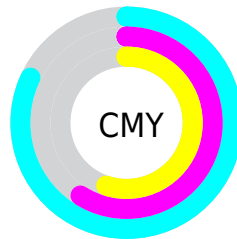
-  Red (18%)
-  Green (41%)
-  Blue (45%)






-  Red (18%)
-  Yellow (31%)
-  Blue (45%)



-  Cyan (59%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (55%)





-  Cyan (82%)
-  Magenta (59%)
-  Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 19.302, 213.967 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, 19.302, 213.967 by changing the saturation by 10% instead.


 41, 19.302,
213.967


 41, 19.302,
213.967


 100, 19.302,
213.967


 31, 19.302,
213.967

 61, 19.302,
213.967


 21, 19.302,
213.967

 71, 19.302,
213.967


 11, 19.302,
213.967


 81, 19.302,
213.967

 1, 19.302, 213.967

 91, 19.302,
213.967

 0, 19.302, 213.967

 41, 19.302,

 41, 19.302,

213.967

■ 40, 21.210,
214.962

■ 39, 22.616,
216.275

■ 39, 23.525,
217.953

■ 38, 24.120,
219.881

■ 38, 24.186,
220.087

213.967

■ 42, 16.914,
213.236

■ 43, 14.089,
212.730

■ 44, 10.883,
212.408

■ 45, 7.353, 212.242

■ 47, 3.559, 212.231

■ 48, 0.446, 31.335

■ 50, 4.614, 32.179

■ 51, 8.902, 32.375

■ 53, 13.278, 32.589

Harmonies

Complementary

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



41, 19.302, 213.967



31, 30.094, 35.118

Rectangle

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



41, 19.302, 213.967



41, 19.302, 263.967



41, 19.302, 33.967



41, 19.302, 83.967

Sweetspot

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



41, 19.302, 213.965



58, 8.691, 212.238



43, 43.165, 143.233



29, 5.959, 212.262



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, 19.302, 213.965



51, 26.374, 215.439



30, 27.688, 279.348



23, 2.221, 212.230



40, 25.095, 220.239



79, 42.738, 221.804

Inverse Universe

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



31, 42.690, 331.732



37, 60.511, 332.533



39, 28.477, 80.797



22, 4.178, 328.810



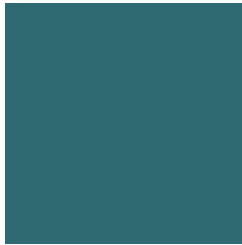
27, 59.755, 334.152



57, 101.471, 334.543

Previews

White Background



This preview shows how the CIELCh color 41, 19.302, 213.967 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, 19.302, 213.967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

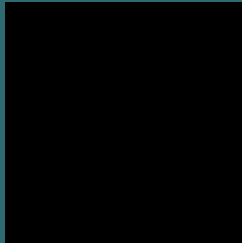
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 19.302, 213.967

Background



This preview shows how black text looks on a background with the CIELCh color 41, 19.302, 213.967.



This preview shows how white text looks on a background with the CIELCh color 41, 19.302, 213.967.

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, 19.302, 213.967

Protanopia

41, 7.292, 288.158

Deuteranopia

41, 13.425, 295.443



Tritanopia
41, 19.264, 212.080

Trichromacy



Original Color
41, 19.302, 213.967

Protanomaly
41, 10.404, 238.882

Deuteranomaly
41, 12.431, 255.574

Tritanomaly
41, 19.264, 212.080

Monochromacy



Original Color
41, 19.302, 213.967

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 8.357, 211.232

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 19.302, 213.967 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(47, 105, 114)` looks like.

```
.text, #text, p{  
    color:rgb(47, 105, 114)  
}
```

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(47, 105, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 105, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 19.302, 213.967 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(47, 105, 114) }
```

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

```
.border{ border-color:rgb(47, 105, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 105, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 105, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 105, 114);  
box-shadow:4px 4px 4px 4px rgb(47, 105,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 19.302, 213.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 105, 114) }
```

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

```
.background{ background-color: rgb(47, 105,  
114) }
```

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