

Converting Colors

CIELCh(41, 19.885, 341.802)

Have a look what the booklet for
CIELCh(41, 19.885, 341.802)
contains.

CIELCh(41, 19.772, 342.631)	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, 19.772, 342.631)

Conversions

Conversions Part 1

Format	Color
Hex	7B566B
RGB	123, 86, 107
RGB Percent	48%, 34%, 42%
CMY	0.5187, 0.6637, 0.5814
CMYK	0.00, 0.30, 0.13, 0.52
HSL	326°, 18%, 41%
HSV	326°, 30%, 48%
XYZ	14.0800, 11.8645, 15.3887
YIQ	99.4570, 15.3110, 14.3750

Conversions

Conversions Part 2

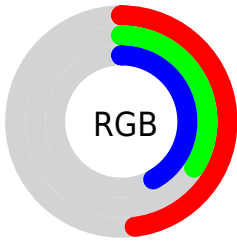
Format	Color
R_{YB}	123, 86, 107
Decimal	8083051
CIE Lab	41.00, 18.87, -5.90
CIE LCh	41, 19.772, 342.631
Yxy	11.8645, 0.3406, 0.2870
Android (android.graphics.Color)	4286273131 (0xFF7B566B)
YUV	99.4570, 3.7187, 20.6472
Hunter-Lab	34.4449, 12.6863, -2.3771

Details

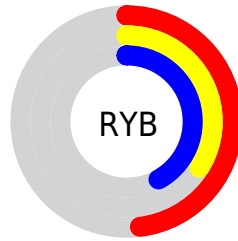
The CIELCh color $41, 19.772, 342.631$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $48, 19.287, 157.640$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 19.746, 342.932$, and $21, 19.718, 341.832$ is the 20% darker color. If you saturate the color by 10%, you get $38, 26.287, 343.631$, and if you desaturate by 10%, it is $44, 13.152, 341.731$.

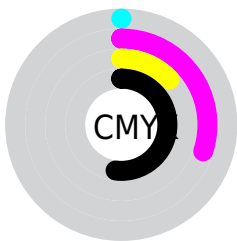
Distribution



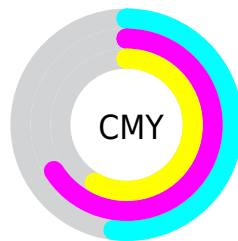
- Red (48%)
- Green (34%)
- Blue (42%)



- Red (48%)
- Yellow (34%)
- Blue (42%)



- Cyan (0%)
- Magenta (30%)
- Yellow (13%)
- Black (52%)





- Cyan (52%)
- Magenta (66%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 19.772, 342.631 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, 19.772, 342.631 by changing the saturation by 10% instead.


 41, 19.772,
342.631


 41, 19.772,
342.631


 100, 19.772,
342.631


 31, 19.772,
342.631

 61, 19.772,
342.631


 21, 19.772,
342.631

 71, 19.772,
342.631


 11, 19.772,
342.631


 81, 19.772,
342.631

 1, 19.772, 342.631

 91, 19.772,
342.631

 0, 19.772, 342.631

 41, 19.772,

 41, 19.772,

342.631

342.631

■ 38, 26.287,
343.631

■ 44, 13.152,
341.731

■ 35, 32.513,
344.761

■ 48, 6.563, 340.897

■ 32, 38.194,
346.066

■ 51, 0.088, 337.153

■ 55, 6.225, 159.543

■ 30, 43.029,
347.613

■ 59, 12.351,
158.881

■ 28, 46.714,
349.492

■ 62, 18.282,
158.277

■ 27, 49.030,
351.816

■ 66, 24.017,
157.716

■ 26, 50.491,
354.421

■ 70, 29.565,
157.193

■ 74, 34.935,

Harmonies

Complementary

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



41, 19.772, 342.631



48, 19.287, 157.640

Rectangle

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



41, 19.772, 342.631



41, 19.772, 32.631



41, 19.772, 162.631



41, 19.772, 212.631

Sweetspot

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



41, 19.770, 342.632



62, 7.262, 340.823



39, 23.472, 307.682



32, 5.091, 340.924



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



41, 19.770, 342.632



51, 29.431, 343.295



40, 16.412, 15.362



24, 3.637, 340.810



26, 51.128, 354.487



55, 85.359, 356.493

Inverse Universe

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



41, 19.770, 342.632



51, 29.431, 343.295



49, 13.922, 190.397



24, 3.637, 340.810



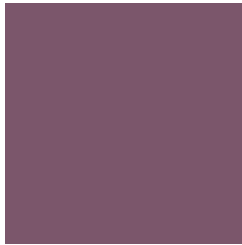
26, 51.128, 354.487



55, 85.359, 356.493

Previews

White Background



This preview shows how the CIELCh color 41, 19.772, 342.631 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 CIE LCh color 41, 19.772, 342.631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

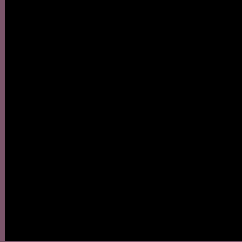
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 19.772, 342.631

Background



This preview shows how black text looks on a background with the CIELCh color 41, 19.772, 342.631.



This preview shows how white text looks on a background with the CIELCh color 41, 19.772, 342.631.

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, 19.772, 342.631

Protanopia

41, 10.334, 287.423

Deuteranopia

41, 7.663, 319.776



Tritanopia
41, 14.820, 5.130

Trichromacy



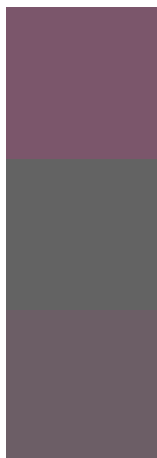
Original Color
41, 19.772, 342.631

Protanomaly
41, 12.569, 314.206

Deuteranomaly
41, 12.017, 331.919

Tritanomaly
41, 16.490, 355.960

Monochromacy



Original Color
41, 19.772, 342.631

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 7.600, 340.925

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 19.772, 342.631 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(123, 86, 107)` looks like.

```
.text, #text, p{  
    color:rgb(123, 86, 107)  
}
```

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(123, 86, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 86, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 19.772, 342.631 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(123, 86, 107) }
```

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

```
.border{ border-color:rgb(123, 86, 107) }
```

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

Here you see how a box with a 4 pixel rgb(123, 86, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 86, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 86, 107);  
box-shadow:4px 4px 4px 4px rgb(123, 86,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 19.772, 342.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 86, 107) }
```

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

```
.background{ background-color: rgb(123, 86,  
107) }
```

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