

Converting Colors

CIELCh(41, 33.548, 310.738)

Have a look what the booklet for
CIELCh(41, 33.548, 310.738)
contains.

CIELCh(41, 33.543, 310.599)	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, 33.543, 310.599)

Conversions

Conversions Part 1

Format	Color
Hex	70568B
RGB	112, 86, 139
RGB Percent	44%, 34%, 55%
CMY	0.5624, 0.6642, 0.4565
CMYK	0.19, 0.38, 0.00, 0.46
HSL	269°, 24%, 44%
HSV	269°, 38%, 54%
XYZ	14.5575, 11.8645, 25.7898
YIQ	99.8160, -1.5170, 21.9950

Conversions

Conversions Part 2

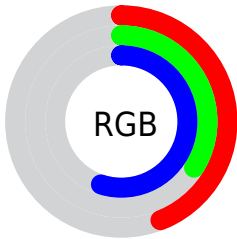
Format	Color
R_{YB}	112, 86, 139
Decimal	7362187
CIE _{Lab}	41.00, 21.83, -25.47
CIE _{LCh}	41, 33.543, 310.599
Yxy	11.8645, 0.2788, 0.2272
Android (android.graphics.Color)	4285552267 (0xFF70568B)
YUV	99.8160, 19.3177, 10.6854
Hunter-Lab	34.4449, 15.1613, -20.2805

Details

The CIELCh color $[41, 33.543, 310.599]$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $[55, 31.775, 126.992]$, and the grayscale version is $[42, 0.006, 296.813]$.

A 20% lighter version of the original color is $[61, 33.776, 310.784]$, and $[21, 33.827, 310.709]$ is the 20% darker color. If you saturate the color by 10%, you get $[37, 42.635, 311.135]$, and if you desaturate by 10%, it is $[45, 24.500, 310.066]$.

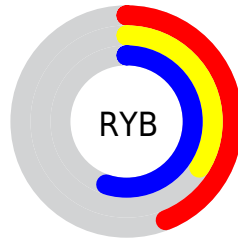
Distribution



Red (44%)

Green (34%)

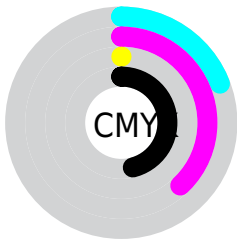
Blue (55%)



Red (44%)

Yellow (34%)

Blue (55%)

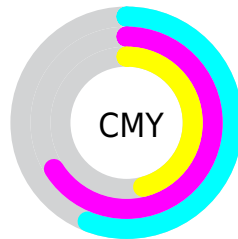


Cyan (19%)

Magenta (38%)

Yellow (0%)

Black (46%)



Cyan (56%)


Magenta (66%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 33.543, 310.599 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, 33.543, 310.599 by changing the saturation by 10% instead.


 41, 33.543,
310.599


 41, 33.543,
310.599


 100, 33.543,
310.599


 31, 33.543,
310.599

 61, 33.543,
310.599


 21, 33.543,
310.599

 71, 33.543,
310.599


 11, 33.543,
310.599


 81, 33.543,
310.599

 1, 33.543, 310.599

 91, 33.543,
310.599

 0, 33.543, 310.599

 41, 33.543,

 41, 33.543,

310.599

37, 42.635,
311.135

33, 51.592,
311.639

29, 60.106,
312.053

26, 67.724,
312.298

23, 73.869,
312.270

21, 78.420,
311.977

20, 79.248,
311.946

310.599

45, 24.500,
310.066

50, 15.617,
309.556

54, 6.950, 309.078

58, 1.475, 128.720

63, 9.648, 128.284

67, 17.571,
127.936

72, 25.251,
127.631

76, 32.700,
127.364

80, 39.927,

Harmonies

Complementary

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



41, 33.543, 310.599



55, 31.775, 126.992

Rectangle

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



41, 33.543, 310.599



41, 33.543, 0.599



41, 33.543, 130.599



41, 33.543, 180.599

Sweetspot

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



41, 33.542, 310.599



68, 11.616, 309.219



46, 17.483, 259.733



35, 7.879, 309.275



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



41, 33.542, 310.599



49, 50.556, 311.071



44, 36.807, 325.940



27, 4.752, 309.121



19, 76.718, 311.993



0, 2.179, 308.731

Inverse Universe

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



43, 26.726, 346.704



52, 39.794, 347.797



53, 36.814, 141.328



27, 3.857, 343.822



28, 52.383, 359.849



0, 1.771, 343.136

Previews

White Background



This preview shows how the CIELCh color 41, 33.543, 310.599 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, 33.543, 310.599 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, 33.543, 310.599

Background



This preview shows how black text looks on a background with the CIELCh color 41, 33.543, 310.599.

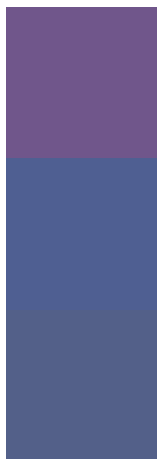


This preview shows how white text looks on a background with the CIELCh color 41, 33.543, 310.599.

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, 33.543, 310.599

Protanopia

41, 31.107, 285.317

Deuteranopia

41, 25.063, 283.789



Tritanopia
41, 6.267, 337.661

Trichromacy



Original Color
41, 33.543, 310.599

Protanomaly
41, 30.965, 294.013

Deuteranomaly
41, 27.973, 294.921

Tritanomaly
41, 15.963, 315.504

Monochromacy



Original Color
41, 33.543, 310.599

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 12.247, 310.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 33.543, 310.599 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(112, 86, 139)` looks like.

```
.text, #text, p{  
    color:rgb(112, 86, 139)  
}
```

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(112, 86, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 86, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 33.543, 310.599 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(112, 86, 139) }
```

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

```
.border{ border-color:rgb(112, 86, 139) }
```

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

Here you see how a box with a 4 pixel rgb(112, 86, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 86, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 86, 139);  
box-shadow:4px 4px 4px 4px rgb(112, 86,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 33.543, 310.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 86, 139) }
```

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

```
.background{ background-color: rgb(112, 86,  
139) }
```

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