

Converting Colors

CIELCh(41, 21.998, 312.291)

Have a look what the booklet for
CIELCh(41, 21.998, 312.291)
contains.

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Color

CIELCh(41, 21.998, 312.291)

Conversions

Conversions Part 1

Format	Color
Hex	6C597B
RGB	108, 89, 123
RGB Percent	42%, 35%, 48%
CMY	0.5749, 0.6494, 0.5160
CMYK	0.12, 0.28, 0.00, 0.52
HSL	274°, 16%, 42%
HSV	274°, 28%, 48%
XYZ	13.4404, 11.8645, 20.4569
YIQ	98.5570, 0.4100, 14.6020

Conversions

Conversions Part 2

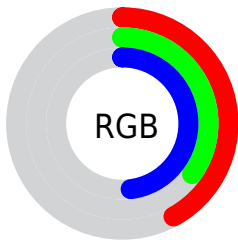
Format	Color
R_{YB}	108, 89, 123
Decimal	7100795
CIE _{Lab}	41.00, 14.80, -16.27
CIE _{LCh}	41, 21.998, 312.291
Yxy	11.8645, 0.2937, 0.2593
Android (android.graphics.Color)	4285290875 (0xFF6C597B)
YUV	98.5570, 12.0504, 8.2815
Hunter-Lab	34.4449, 9.3719, -11.1009

Details

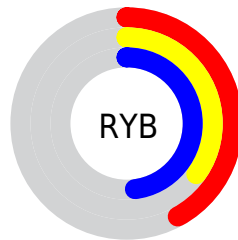
The CIELCh color $41, 21.998, 312.291$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $49, 21.315, 129.909$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 22.319, 312.306$, and $21, 22.099, 312.500$ is the 20% darker color. If you saturate the color by 10%, you get $37, 30.243, 312.761$, and if you desaturate by 10%, it is $45, 13.861, 311.831$.

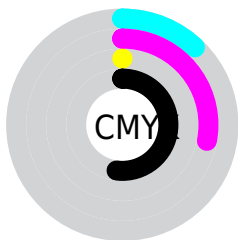
Distribution



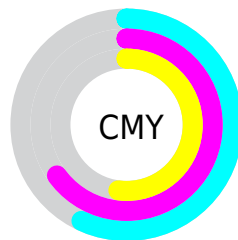
- Red (42%)
- Green (35%)
- Blue (48%)



- Red (42%)
- Yellow (35%)
- Blue (48%)



- Cyan (12%)
- Magenta (28%)
- Yellow (0%)
- Black (52%)





- Cyan (57%)
- Magenta (65%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 21.998, 312.291 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, 21.998, 312.291 by changing the saturation by 10% instead.


 41, 21.998,
312.291


 41, 21.998,
312.291


 100, 21.998,
312.291


 31, 21.998,
312.291

 61, 21.998,
312.291


 21, 21.998,
312.291

 71, 21.998,
312.291

 11, 21.998,
312.291

 81, 21.998,
312.291

 1, 21.998, 312.291

 91, 21.998,
312.291

 0, 21.998, 312.291

 41, 21.998,

 41, 21.998,

312.291

37, 30.243,
312.761

33, 38.493,
313.222

30, 46.570,
313.641

27, 54.204,
313.967

24, 61.012,
314.134

21, 66.524,
314.056

19, 70.710,
313.753

19, 71.768,
313.707

312.291

45, 13.861,
311.831

49, 5.897, 311.390

53, 1.863, 131.058

57, 9.407, 130.652

61, 16.731,
130.319

65, 23.838,
130.023

68, 30.737,
129.761

72, 37.437,
129.530

76, 43.946,

Harmonies

Complementary

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



41, 21.998, 312.291



49, 21.315, 129.909

Rectangle

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



41, 21.998, 312.291



41, 21.998, 2.291



41, 21.998, 132.291



41, 21.998, 182.291

Sweetspot

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



41, 21.997, 312.291



62, 7.743, 311.417



44, 12.378, 264.715



32, 5.555, 311.475



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, 21.997, 312.291



50, 32.866, 312.584



43, 23.587, 327.282



24, 4.369, 311.455



19, 72.417, 313.693



42, 122.501, 313.105

Inverse Universe

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



42, 16.803, 349.506



52, 25.049, 350.222



48, 23.573, 143.995



24, 3.341, 347.658



26, 49.775, 5.903



54, 83.848, 8.723

Previews

White Background



This preview shows how the CIELCh color 41, 21.998, 312.291 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, 21.998, 312.291 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, 21.998, 312.291

Background



This preview shows how black text looks on a background with the CIELCh color 41, 21.998, 312.291.



This preview shows how white text looks on a background with the CIELCh color 41, 21.998, 312.291.

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, 21.998, 312.291

Protanopia

41, 19.526, 284.651

Deuteranopia

41, 16.399, 290.010



Tritanopia
41, 6.267, 337.661

Trichromacy



Original Color
41, 21.998, 312.291

Protanomaly
41, 19.457, 294.103

Deuteranomaly
41, 18.428, 299.839

Tritanomaly
41, 11.827, 320.163

Monochromacy



Original Color
41, 21.998, 312.291

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 7.698, 309.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 21.998, 312.291 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(108, 89, 123)` looks like.

```
.text, #text, p{  
    color:rgb(108, 89, 123)  
}
```

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(108, 89, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 89, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 21.998, 312.291 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(108, 89, 123) }
```

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

```
.border{ border-color:rgb(108, 89, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 89, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 89, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 89, 123);  
box-shadow:4px 4px 4px 4px rgb(108, 89,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 21.998, 312.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 89, 123) }
```

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

```
.background{ background-color: rgb(108, 89,  
123) }
```

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](#).

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