

# Converting Colors

CIELCh(42, 18.888, 344.350)

Have a look what the booklet for  
CIELCh(42, 18.888, 344.350)  
contains.

<b>CIELCh(42, 18.697, 344.633)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(42, 18.697, 344.633)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7D596C
RGB	125, 89, 108
RGB Percent	49%, 35%, 42%
CMY	0.5112, 0.6522, 0.5778
CMYK	0.00, 0.29, 0.14, 0.51
HSL	328°, 17%, 42%
HSV	328°, 29%, 49%
XYZ	14.6410, 12.5000, 15.7353
YIQ	101.9300, 15.3570, 13.5410

# Conversions

## Conversions Part 2

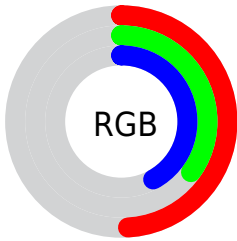
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	125, 89, 108
Decimal	8214892
CIE <sub>Lab</sub>	42.00, 18.03, -4.95
CIE <sub>LCh</sub>	42, 18.697, 344.633
Yxy	12.5000, 0.3415, 0.2915
Android (android.graphics.Color)	4286404972 (0xFF7D596C)
YUV	101.9300, 2.9925, 20.2324
Hunter-Lab	35.3553, 12.0469, -1.6390

# Details

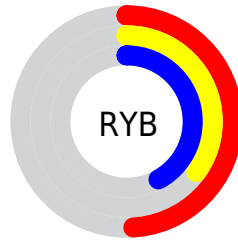
The CIELCh color  $42, 18.697, 344.633$  is a dark color, and the websafe version is hex  $996666$ . A complement of this color would be  $49, 18.149, 159.696$ , and the grayscale version is  $43, 0.006, 296.813$ .

A 20% lighter version of the original color is  $62, 18.747, 344.849$ , and  $22, 18.552, 343.899$  is the 20% darker color. If you saturate the color by 10%, you get  $39, 25.182, 345.689$ , and if you desaturate by 10%, it is  $45, 12.144, 343.691$ .

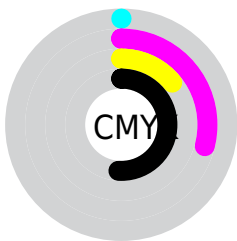
# Distribution



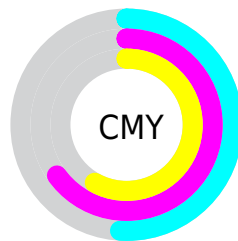
- Red (49%)
- Green (35%)
- Blue (42%)



- Red (49%)
- Yellow (35%)
- Blue (42%)



- Cyan (0%)
- Magenta (29%)
- Yellow (14%)
- Black (51%)



- Cyan (51%)
- Magenta (65%)
- Yellow (58%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 18.697, 344.633 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 42, 18.697, 344.633 by changing the saturation by 10% instead.




 42, 18.697,  
344.633


 42, 18.697,  
344.633


 100, 18.697,  
344.633


 32, 18.697,  
344.633

 62, 18.697,  
344.633


 22, 18.697,  
344.633

 72, 18.697,  
344.633


 12, 18.697,  
344.633


 82, 18.697,  
344.633

 2, 18.697, 344.633

 92, 18.697,  
344.633

 0, 18.697, 344.633

 42, 18.697,

 42, 18.697,

344.633

344.633

39, 25.182,  
345.689

45, 12.144,  
343.691

36, 31.425,  
346.893

49, 5.650, 342.820

33, 37.180,  
348.298

53, 0.712, 162.492

56, 6.898, 161.431

30, 42.151,  
349.979

60, 12.889,  
160.758

28, 46.031,  
352.038

64, 18.680,  
160.145

27, 48.591,  
354.602

68, 24.274,  
159.576

26, 50.176,  
357.605

71, 29.680,  
159.047

26, 50.369,  
357.942

75, 34.909,



# Harmonies

# Complementary

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



42, 18.697, 344.633



49, 18.149, 159.696

# Rectangle

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



42, 18.697, 344.633



42, 18.697, 34.633



42, 18.697, 164.633



42, 18.697, 214.633

# Sweetspot

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



42, 18.695, 344.634



63, 7.156, 342.850



41, 22.898, 309.290



32, 4.954, 342.955



84, 0.010, 296.813



35, 0.005, 296.813





# Same Dimension

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



42, 18.695, 344.634



52, 28.290, 345.359



41, 15.901, 19.073



24, 3.539, 342.836



26, 50.453, 357.952



55, 84.402, 0.230



# Inverse Universe

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



42, 18.695, 344.634



52, 28.290, 345.359



50, 13.341, 194.971



24, 3.539, 342.836



26, 50.453, 357.952

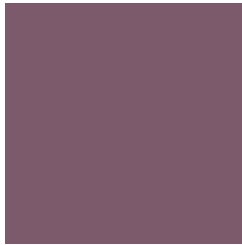


55, 84.402, 0.230



# Previews

## White Background



This preview shows how the CIELCh color 42, 18.697, 344.633 looks on a white background.

## Color Contrast Check

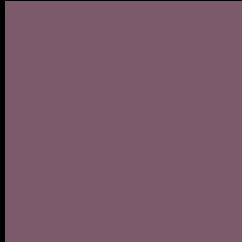
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 18.697, 344.633 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

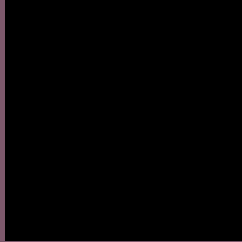
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 42, 18.697, 344.633

## Background



This preview shows how black text looks on a background with the CIELCh color 42, 18.697, 344.633.



This preview shows how white text looks on a background with the CIELCh color 42, 18.697, 344.633.

# 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

42, 18.697, 344.633

### Protanopia

42, 9.078, 286.591

### Deuteranopia

42, 6.601, 324.854





**Tritanopia**  
42, 14.764, 5.079

# Trichromacy



**Original Color**  
42, 18.697, 344.633

**Protanomaly**  
42, 11.408, 316.516

**Deuteranomaly**  
42, 11.101, 336.038

**Tritanomaly**  
42, 15.812, 357.129

# Monochromacy



**Original Color**  
42, 18.697, 344.633

**Achromatopsia**  
43, 0.006, 296.813

**Achromatomaly**  
43, 6.870, 342.505

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 42, 18.697, 344.633 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(125, 89, 108)` looks like.

```
.text, #text, p{  
    color:rgb(125, 89, 108)  
}
```

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(125, 89, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 89, 108) }
```

## Border

The CSS property to change the border of an element to CIELCh 42, 18.697, 344.633 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(125, 89, 108) }
```

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

```
.border{ border-color:rgb(125, 89, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 89, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 89, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 89, 108); box-shadow:4px 4px 4px 4px rgb(125, 89, 108) }
```

# Background

The CSS property to change the background color of an element to CIELCh 42, 18.697, 344.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 89, 108) }
```

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

```
.background{ background-color: rgb(125, 89,  
108) }
```

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