

# Converting Colors

CIELCh(42, 19.000, 320.926)

Have a look what the booklet for  
CIELCh(42, 19.000, 320.926)  
contains.

<b>CIELCh(42, 19.256, 320.454)</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, 19.256, 320.454)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	725B77
RGB	114, 91, 119
RGB Percent	45%, 36%, 47%
CMY	0.5513, 0.6415, 0.5317
CMYK	0.04, 0.23, 0.00, 0.53
HSL	289°, 13%, 41%
HSV	289°, 23%, 47%
XYZ	14.1261, 12.5000, 19.2552
YIQ	101.0690, 4.7200, 13.5840

# Conversions

## Conversions Part 2

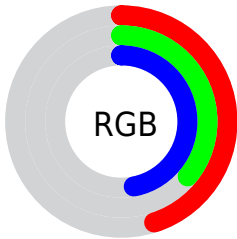
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	114, 91, 119
Decimal	7494519
CIE <sub>Lab</sub>	42.00, 14.85, -12.26
CIE <sub>LCh</sub>	42, 19.256, 320.454
Yxy	12.5000, 0.3079, 0.2724
Android (android.graphics.Color)	4285684599 (0xFF725B77)
YUV	101.0690, 8.8400, 11.3405
Hunter-Lab	35.3553, 9.4470, -7.5417

# Details

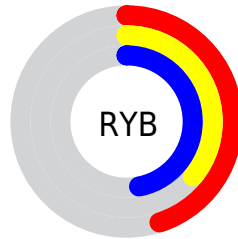
The CIELCh color  $42, 19.256, 320.454$  is a dark color, and the websafe version is hex  $666699$ . A complement of this color would be  $48, 19.077, 138.301$ , and the grayscale version is  $43, 0.006, 296.813$ .

A 20% lighter version of the original color is  $62, 19.320, 320.576$ , and  $22, 19.540, 320.487$  is the 20% darker color. If you saturate the color by 10%, you get  $39, 27.527, 320.880$ , and if you desaturate by 10%, it is  $45, 10.980, 320.014$ .

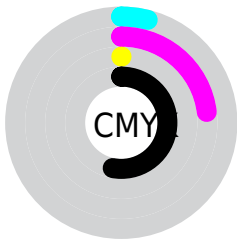
# Distribution



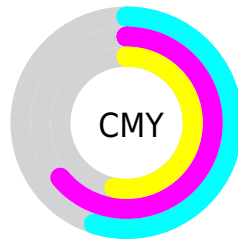
- Red (45%)
- Green (36%)
- Blue (47%)



- Red (45%)
- Yellow (36%)
- Blue (47%)



- Cyan (4%)
- Magenta (23%)
- Yellow (0%)
- Black (53%)



- Cyan (55%)
- Magenta (64%)
- Yellow (53%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 19.256, 320.454 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, 19.256, 320.454 by changing the saturation by 10% instead.





 42, 19.256,  
320.454


 42, 19.256,  
320.454


 100, 19.256,  
320.454


 32, 19.256,  
320.454

 62, 19.256,  
320.454


 22, 19.256,  
320.454

 72, 19.256,  
320.454

 12, 19.256,  
320.454


 82, 19.256,  
320.454

 2, 19.256, 320.454

 92, 19.256,  
320.454

 0, 19.256, 320.454

 42, 19.256,

 42, 19.256,

320.454

39, 27.527,  
320.880

35, 35.651,  
321.278

33, 43.421,  
321.623

30, 50.562,  
321.888

28, 56.748,  
322.036

26, 61.640,  
322.030

24, 65.013,  
321.844

23, 66.950,  
321.704

320.454

45, 10.980,  
320.014

49, 2.801, 319.545

53, 5.222, 139.209


56, 13.054,  
138.794

60, 20.677,  
138.414

63, 28.085,  
138.062

67, 35.277,  
137.737

71, 42.261,  
137.437

 74, 49.044,  
137.162

# Harmonies

# Complementary

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



42, 19.256, 320.454



48, 19.077, 138.301

# Rectangle

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



42, 19.256, 320.454



42, 19.256, 10.454



42, 19.256, 140.454



42, 19.256, 190.454

# Sweetspot

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



42, 19.255, 320.454



61, 7.056, 319.731



41, 13.957, 284.324



32, 4.622, 319.751



83, 0.010, 296.813



34, 0.005, 296.813





# Same Dimension

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



42, 19.255, 320.454



52, 28.584, 320.680



42, 16.246, 336.570



23, 4.509, 319.816



24, 68.145, 321.688



52, 115.681, 321.347



# Inverse Universe

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



42, 12.402, 7.187



52, 18.604, 7.847



48, 16.085, 153.239



23, 2.825, 5.617



24, 53.736, 28.922



52, 93.784, 32.084



# Previews

## White Background



This preview shows how the CIELCh color 42, 19.256, 320.454 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 42, 19.256, 320.454 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

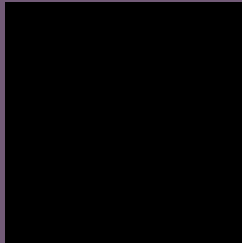
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 42, 19.256, 320.454

## Background



This preview shows how black text looks on a background with the CIELCh color 42, 19.256, 320.454.



This preview shows how white text looks on a background with the CIELCh color 42, 19.256, 320.454.

# 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, 19.256, 320.454


### Protanopia

42, 15.778, 285.763

### Deuteranopia

42, 12.784, 297.207





**Tritanopia**  
42, 8.288, 349.995

# Trichromacy



**Original Color**  
42, 19.256, 320.454

**Protanomaly**  
42, 15.894, 299.297

**Deuteranomaly**  
42, 15.102, 307.105

**Tritanomaly**  
42, 11.521, 333.885

# Monochromacy



**Original Color**  
42, 19.256, 320.454

**Achromatopsia**  
43, 0.006, 296.813

**Achromatomaly**  
43, 6.889, 319.177

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 42, 19.256, 320.454 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(114, 91, 119)` looks like.

```
.text, #text, p{  
    color:rgb(114, 91, 119)  
}
```

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(114, 91, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 91, 119) }
```

## Border

The CSS property to change the border of an element to CIELCh 42, 19.256, 320.454 is called "border". The border property can be set on classes, ids or directly on the HTML element.

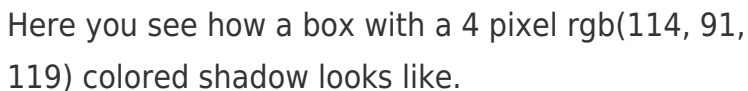
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(114, 91, 119) }
```

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

```
.border{ border-color:rgb(114, 91, 119) }
```

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



Here you see how a box with a 4 pixel `rgb(114, 91, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 91, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 91, 119); box-shadow:4px 4px 4px 4px rgb(114, 91, 119) }
```

# Background

The CSS property to change the background color of an element to CIELCh 42, 19.256, 320.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 91, 119) }
```

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

```
.background{ background-color: rgb(114, 91,  
119) }
```

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