

# Converting Colors

CIELCh(42, 16.082, 324.628)

Have a look what the booklet for  
CIELCh(42, 16.082, 324.628)  
contains.

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# Color

**CIELCh(42, 16.493, 324.252)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	725C73
RGB	114, 92, 115
RGB Percent	45%, 36%, 45%
CMY	0.5525, 0.6388, 0.5486
CMYK	0.01, 0.20, 0.00, 0.55
HSL	297°, 11%, 41%
HSV	297°, 20%, 45%
XYZ	13.8933, 12.5000, 17.9360
YIQ	101.2000, 5.7290, 11.8170

# Conversions

## Conversions Part 2

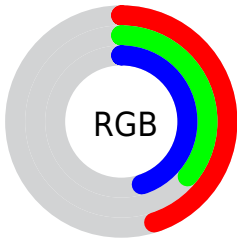
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	114, 92, 115
Decimal	7494771
CIE <sub>Lab</sub>	42.00, 13.39, -9.64
CIE <sub>LCh</sub>	42, 16.493, 324.252
Yxy	12.5000, 0.3134, 0.2820
Android (android.graphics.Color)	4285684851 (0xFF725C73)
YUV	101.2000, 6.8034, 11.2256
Hunter-Lab	35.3553, 8.2717, -5.3294

# Details

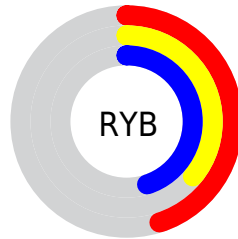
The CIELCh color  $42, 16.493, 324.252$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $46, 16.454, 142.147$ , and the grayscale version is  $43, 0.006, 296.813$ .

A 20% lighter version of the original color is  $62, 16.744, 324.125$ , and  $22, 16.518, 324.576$  is the 20% darker color. If you saturate the color by 10%, you get  $39, 24.754, 324.739$ , and if you desaturate by 10%, it is  $45, 8.201, 323.749$ .

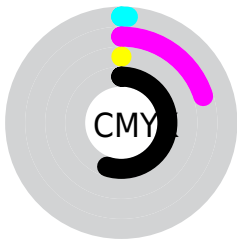
# Distribution



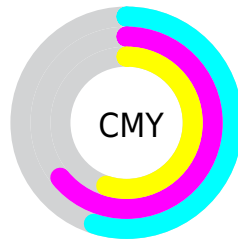
- Red (45%)
- Green (36%)
- Blue (45%)



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



- Cyan (1%)
- Magenta (20%)
- Yellow (0%)
- Black (55%)




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


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 16.493, 324.252 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, 16.493, 324.252 by changing the saturation by 10% instead.





 42, 16.493,  
324.252


 42, 16.493,  
324.252


 100, 16.493,  
324.252


 32, 16.493,  
324.252

 62, 16.493,  
324.252


 22, 16.493,  
324.252

 72, 16.493,  
324.252

 12, 16.493,  
324.252


 82, 16.493,  
324.252

 2, 16.493, 324.252

 92, 16.493,  
324.252

 0, 16.493, 324.252

 42, 16.493,

 42, 16.493,

324.252

39, 24.754,  
324.739

36, 32.833,  
325.202

33, 40.519,  
325.626

31, 47.551,  
325.992

29, 53.631,  
326.281

27, 58.474,  
326.477

26, 61.871,  
326.567

25, 64.378,  
326.595

324.252

45, 8.201, 323.749

48, 0.010, 160.351

52, 8.070, 142.817

55, 15.938,  
142.342

59, 23.589,  
141.895

62, 31.015,  
141.472

66, 38.215,  
141.075

69, 45.194,  
140.703

73, 51.959,

■ 25, 64.382,  
326.595

140.356

# Harmonies

# Complementary

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



42, 16.493, 324.252



46, 16.454, 142.147

# Rectangle

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



42, 16.493, 324.252



42, 16.493, 14.252



42, 16.493, 144.252



42, 16.493, 194.252

# Sweetspot

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



42, 16.491, 324.252



60, 6.125, 323.548



40, 13.321, 290.302



31, 4.095, 323.574



82, 0.010, 296.813



33, 0.005, 296.813





# Same Dimension

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



42, 16.491, 324.252



53, 24.684, 324.481



42, 12.239, 342.610



23, 4.694, 323.701



27, 67.271, 326.584



57, 114.068, 326.494



# Inverse Universe

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



41, 9.994, 17.313



52, 15.184, 17.788



46, 12.013, 159.468



23, 2.752, 16.338



24, 57.838, 36.262

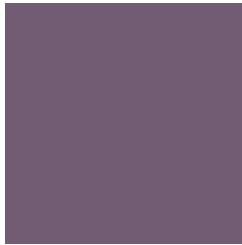


52, 101.318, 38.796



# Previews

## White Background



This preview shows how the CIELCh color 42, 16.493, 324.252 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, 16.493, 324.252 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

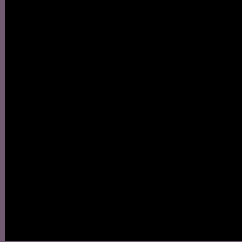
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 42, 16.493, 324.252

## Background



This preview shows how black text looks on a background with the CIELCh color 42, 16.493, 324.252.



This preview shows how white text looks on a background with the CIELCh color 42, 16.493, 324.252.

# 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, 16.493, 324.252


### Protanopia

42, 12.725, 286.916

### Deuteranopia

42, 10.506, 302.455





**Tritanopia**  
42, 8.960, 348.107

# Trichromacy



**Original Color**  
42, 16.493, 324.252

**Protanomaly**  
42, 13.566, 301.945

**Deuteranomaly**  
42, 12.359, 312.454

**Tritanomaly**  
42, 11.822, 335.437

# Monochromacy



**Original Color**  
42, 16.493, 324.252

**Achromatopsia**  
43, 0.006, 296.813

**Achromatomaly**  
43, 5.865, 324.803

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 42, 16.493, 324.252 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, 92, 115)` looks like.

```
.text, #text, p{  
    color:rgb(114, 92, 115)  
}
```

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, 92, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 92, 115) }
```

## Border

The CSS property to change the border of an element to CIELCh 42, 16.493, 324.252 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, 92, 115) }
```

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

```
.border{ border-color:rgb(114, 92, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 92, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 92, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 92, 115);  
box-shadow:4px 4px 4px 4px rgb(114, 92,  
115) }
```

# Background

The CSS property to change the background color of an element to CIELCh 42, 16.493, 324.252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 92, 115) }
```

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

```
.background{ background-color: rgb(114, 92,  
115) }
```

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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