

# Converting Colors

CIELCh(44, 22.925, 336.332)

Have a look what the booklet for  
CIELCh(44, 22.925, 336.332)  
contains.

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**Color**

**CIELCh(44, 23.057, 336.392)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	845C78
RGB	132, 92, 120
RGB Percent	52%, 36%, 47%
CMY	0.4835, 0.6403, 0.5305
CMYK	0.00, 0.30, 0.09, 0.48
HSL	318°, 18%, 44%
HSV	318°, 30%, 52%
XYZ	16.6467, 13.8382, 19.4731
YIQ	107.1520, 14.8520, 17.1880

# Conversions

## Conversions Part 2

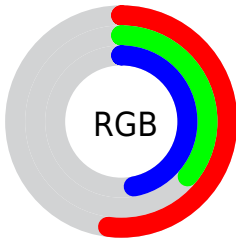
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	132, 92, 120
Decimal	8674424
CIE <sub>Lab</sub>	44.00, 21.13, -9.23
CIE <sub>LCh</sub>	44, 23.057, 336.392
Yxy	13.8382, 0.3332, 0.2770
Android (android.graphics.Color)	4286864504 (0xFF845C78)
YUV	107.1520, 6.3341, 21.7917
Hunter-Lab	37.1997, 14.7785, -4.9969

# Details

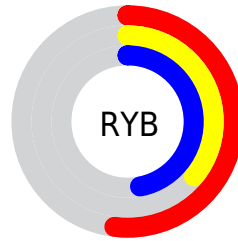
The CIELCh color  $44, 23.057, 336.392$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $51, 22.813, 151.930$ , and the grayscale version is  $45, 0.006, 296.813$ .

A 20% lighter version of the original color is  $64, 22.858, 337.001$ , and  $24, 23.487, 336.077$  is the 20% darker color. If you saturate the color by 10%, you get  $41, 30.498, 337.189$ , and if you desaturate by 10%, it is  $48, 15.439, 335.646$ .

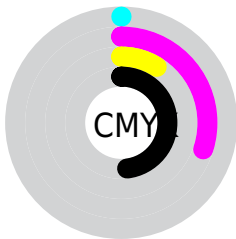
# Distribution



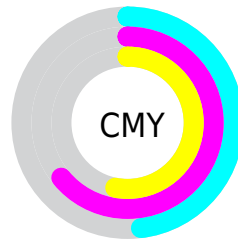
- Red (52%)
- Green (36%)
- Blue (47%)



- Red (52%)
- Yellow (36%)
- Blue (47%)



- Cyan (0%)
- Magenta (30%)
- Yellow (9%)
- Black (48%)



- Cyan (48%)
- Magenta (64%)
- Yellow (53%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 23.057, 336.392 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 44, 23.057, 336.392 by changing the saturation by 10% instead.





 44, 23.057,  
336.392


 44, 23.057,  
336.392


 100, 23.057,  
336.392


 34, 23.057,  
336.392

 64, 23.057,  
336.392


 24, 23.057,  
336.392

 74, 23.057,  
336.392

 14, 23.057,  
336.392

 84, 23.057,  
336.392

 4, 23.057, 336.392

 94, 23.057,  
336.392

 0, 23.057, 336.392

 44, 23.057,

 44, 23.057,

336.392

41, 30.498,  
337.189

38, 37.543,  
338.048

35, 43.899,  
338.991

33, 49.227,  
340.049

31, 53.196,  
341.269

29, 55.572,  
342.713

29, 56.832,  
344.274

336.392

48, 15.439,  
335.646

51, 7.808, 334.934

55, 0.271, 333.389

59, 7.109, 153.724

63, 14.296,  
153.122

66, 21.272,  
152.564

70, 28.035,  
152.041

74, 34.588,  
151.548

78, 40.941,



# Harmonies

# Complementary

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



44, 23.057, 336.392



51, 22.813, 151.930

# Rectangle

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



44, 23.057, 336.392



44, 23.057, 26.392



44, 23.057, 156.392



44, 23.057, 206.392

# Sweetspot

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



44, 23.055, 336.393



66, 8.387, 334.852



41, 24.696, 303.219



34, 5.879, 334.942



86, 0.010, 296.813



37, 0.005, 296.813





# Same Dimension

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



44, 23.055, 336.393



54, 33.741, 336.900



43, 17.821, 5.235



26, 4.272, 334.847



28, 56.326, 344.248



0, 1.016, 334.281



# Inverse Universe

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



44, 23.055, 336.393



54, 33.741, 336.900



52, 15.880, 179.234



26, 4.272, 334.847



28, 56.326, 344.248

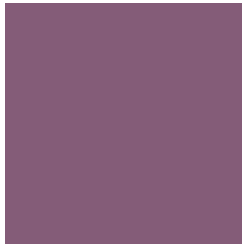


0, 1.016, 334.281



# Previews

## White Background



This preview shows how the CIELCh color 44, 23.057, 336.392 looks on a white background.

## Color Contrast Check

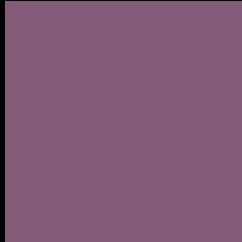
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 23.057, 336.392 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 44, 23.057, 336.392**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 44, 23.057, 336.392.



This preview shows how white text looks on a background with the CIELCh color 44, 23.057, 336.392.

# 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

44, 23.057, 336.392

### Protanopia

44, 14.427, 286.299

### Deuteranopia

44, 9.918, 305.275





**Tritanopia**  
44, 15.465, 6.020

# Trichromacy



**Original Color**  
44, 23.057, 336.392

**Protanomaly**  
44, 15.783, 309.286

**Deuteranomaly**  
44, 14.734, 322.659

**Tritanomaly**  
44, 17.499, 353.564

# Monochromacy



**Original Color**  
44, 23.057, 336.392

**Achromatopsia**  
45, 0.006, 296.813

**Achromatomaly**  
45, 9.012, 333.766

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 23.057, 336.392 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(132, 92, 120)` looks like.

```
.text, #text, p{  
    color:rgb(132, 92, 120)  
}
```

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(132, 92, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 92, 120) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 23.057, 336.392 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(132, 92, 120) }
```

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

```
.border{ border-color:rgb(132, 92, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 92, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 92, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 92, 120);  
box-shadow:4px 4px 4px 4px rgb(132, 92,  
120) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 23.057, 336.392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 92, 120) }
```

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

```
.background{ background-color: rgb(132, 92,  
120) }
```

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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