

# Converting Colors

CIELCh(44, 23.598, 319.958)

Have a look what the booklet for  
CIELCh(44, 23.598, 319.958)  
contains.

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**Color**

**CIELCh(44, 23.633, 319.966)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7A5E81
RGB	122, 94, 129
RGB Percent	48%, 37%, 51%
CMY	0.5200, 0.6298, 0.4925
CMYK	0.05, 0.27, 0.00, 0.49
HSL	288°, 16%, 44%
HSV	288°, 27%, 51%
XYZ	16.1113, 13.8382, 22.7339
YIQ	106.3620, 5.4530, 16.8210

# Conversions

## Conversions Part 2

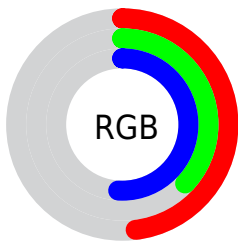
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	122, 94, 129
Decimal	8019585
CIE <sub>Lab</sub>	44.00, 18.09, -15.20
CIE <sub>LCh</sub>	44, 23.633, 319.966
Yxy	13.8382, 0.3058, 0.2627
Android (android.graphics.Color)	4286209665 (0xFF7A5E81)
YUV	106.3620, 11.1605, 13.7145
Hunter-Lab	37.1997, 12.2090, -10.1941

# Details

The CIELCh color  $44, 23.633, 319.966$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $51, 23.350, 137.476$ , and the grayscale version is  $45, 0.006, 296.813$ .

A 20% lighter version of the original color is  $64, 23.454, 320.027$ , and  $24, 24.194, 320.079$  is the 20% darker color. If you saturate the color by 10%, you get  $40, 32.404, 320.383$ , and if you desaturate by 10%, it is  $48, 14.819, 319.532$ .

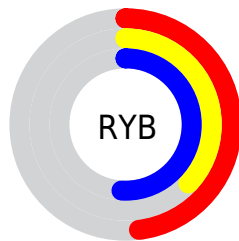
# Distribution



Red (48%)

Green (37%)

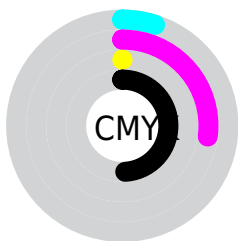
Blue (51%)



Red (48%)

Yellow (37%)

Blue (51%)

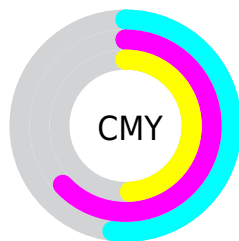


Cyan (5%)

Magenta (27%)

Yellow (0%)

Black (49%)



Cyan (52%)

Magenta (63%)

Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 23.633, 319.966 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, 23.633, 319.966 by changing the saturation by 10% instead.



 44, 23.633,  
319.966

 44, 23.633,  
319.966

 100, 23.633,  
319.966

 34, 23.633,  
319.966

 64, 23.633,  
319.966


 24, 23.633,  
319.966

 74, 23.633,  
319.966

 14, 23.633,  
319.966

 84, 23.633,  
319.966

 4, 23.633, 319.966

 94, 23.633,  
319.966

 0, 23.633, 319.966

 44, 23.633,

 44, 23.633,

319.966

40, 32.404,  
320.383

37, 40.960,  
320.763

34, 49.052,  
321.078

31, 56.357,  
321.295

29, 62.503,  
321.373

27, 67.133,  
321.271

26, 70.257,  
320.992

25, 71.146,  
320.914

319.966

48, 14.819,  
319.532

51, 6.084, 319.088

55, 2.498, 138.755


59, 10.882,  
138.309

63, 19.047,  
137.926

67, 26.983,  
137.572

71, 34.688,  
137.245

75, 42.169,  
136.946

 79, 49.433,  
136.672

# Harmonies

# Complementary

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



44, 23.633, 319.966



51, 23.350, 137.476

# Rectangle

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



44, 23.633, 319.966



44, 23.633, 9.966



44, 23.633, 139.966



44, 23.633, 189.966

# Sweetspot

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



44, 23.631, 319.966



65, 8.554, 319.139



43, 16.957, 283.966



33, 6.057, 319.198



85, 0.010, 296.813



36, 0.005, 296.813





# Same Dimension

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



44, 23.631, 319.966



54, 34.686, 320.206



44, 20.260, 336.141



25, 4.806, 319.180



25, 70.384, 320.924



0, 0.000, 0.000



# Inverse Universe

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



44, 15.490, 6.043



54, 22.973, 6.821



51, 20.062, 152.243



25, 3.053, 3.998



26, 54.723, 27.558



0, 0.000, 0.000



# Previews

## White Background



This preview shows how the CIELCh color 44, 23.633, 319.966 looks on a white background.

## Color Contrast Check

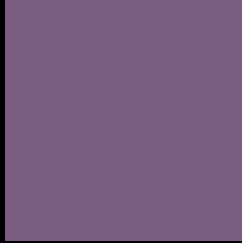
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 23.633, 319.966 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

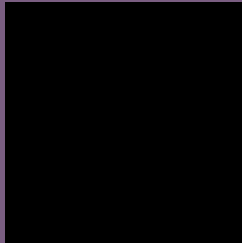
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 44, 23.633, 319.966**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 44, 23.633, 319.966.



This preview shows how white text looks on a background with the CIELCh color 44, 23.633, 319.966.

# 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, 23.633, 319.966


### Protanopia

44, 19.848, 285.760

### Deuteranopia

44, 15.599, 292.371





**Tritanopia**  
44, 9.342, 354.120

# Trichromacy



**Original Color**  
44, 23.633, 319.966

**Protanomaly**  
44, 20.576, 299.131

**Deuteranomaly**  
44, 18.482, 304.409

**Tritanomaly**  
44, 14.265, 332.303

# Monochromacy



**Original Color**  
44, 23.633, 319.966

**Achromatopsia**  
45, 0.006, 296.813

**Achromatomaly**  
45, 8.989, 320.650

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 23.633, 319.966 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(122, 94, 129)` looks like.

```
.text, #text, p{  
    color:rgb(122, 94, 129)  
}
```

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(122, 94, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 94, 129) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 23.633, 319.966 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(122, 94, 129) }
```

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

```
.border{ border-color:rgb(122, 94, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 94, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 94, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 94, 129);  
box-shadow:4px 4px 4px 4px rgb(122, 94,  
129) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 23.633, 319.966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 94, 129) }
```

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

```
.background{ background-color: rgb(122, 94,  
129) }
```

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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