

# Converting Colors

CIELCh(44, 23.526, 325.318)

Have a look what the booklet for  
CIELCh(44, 23.526, 325.318)  
contains.

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**Color**

**CIELCh(44, 23.581, 325.804)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7E5D7E
RGB	126, 93, 126
RGB Percent	49%, 36%, 49%
CMY	0.5049, 0.6343, 0.5049
CMYK	0.00, 0.26, 0.00, 0.50
HSL	300°, 15%, 43%
HSV	300°, 26%, 50%
XYZ	16.3587, 13.8382, 21.6321
YIQ	106.6290, 9.0750, 17.2590

# Conversions

## Conversions Part 2

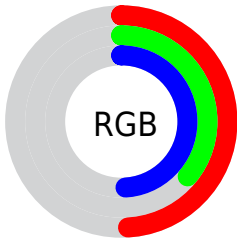
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	126, 93, 126
Decimal	8281470
CIE Lab	44.00, 19.50, -13.25
CIE LCh	44, 23.581, 325.804
Yxy	13.8382, 0.3156, 0.2670
Android (android.graphics.Color)	4286471550 (0xFF7E5D7E)
YUV	106.6290, 9.5499, 16.9884
Hunter-Lab	37.1997, 13.3963, -8.4380

# Details

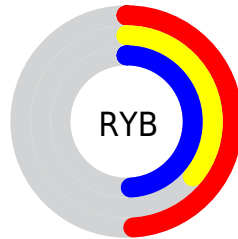
The CIELCh color  $44, 23.581, 325.804$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $50, 23.572, 142.764$ , and the grayscale version is  $45, 0.006, 296.813$ .

A 20% lighter version of the original color is  $64, 23.453, 325.489$ , and  $24, 23.814, 325.451$  is the 20% darker color. If you saturate the color by 10%, you get  $41, 32.450, 326.309$ , and if you desaturate by 10%, it is  $47, 14.545, 325.279$ .

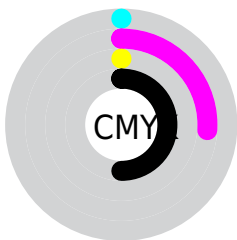
# Distribution



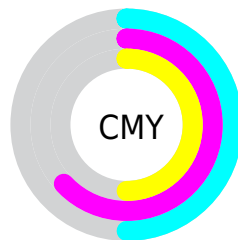
- Red (49%)
- Green (36%)
- Blue (49%)



- Red (49%)
- Yellow (36%)
- Blue (49%)



- Cyan (0%)
- Magenta (26%)
- Yellow (0%)
- Black (50%)



- Cyan (50%)
- Magenta (63%)
- Yellow (50%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 23.581, 325.804 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, 23.581, 325.804 by changing the saturation by 10% instead.





 44, 23.581,  
325.804


 44, 23.581,  
325.804


 100, 23.581,  
325.804

 34, 23.581,  
325.804

 64, 23.581,  
325.804

 24, 23.581,  
325.804

 74, 23.581,  
325.804

 14, 23.581,  
325.804

 84, 23.581,  
325.804

 4, 23.581, 325.804

 94, 23.581,  
325.804

 0, 23.581, 325.804

 44, 23.581,

 44, 23.581,

325.804

41, 32.450,  
326.309

38, 40.937,  
326.781

35, 48.763,  
327.206

33, 55.611,  
327.569

32, 61.168,  
327.857

30, 65.195,  
328.062

30, 67.746,  
328.191

29, 68.639,  
328.235

325.804

47, 14.545,  
325.279

51, 5.510, 324.733

54, 3.414, 144.299


58, 12.155,  
143.751

62, 20.671,  
143.252

65, 28.938,  
142.780

69, 36.950,  
142.332

73, 44.707,  
141.911

 76, 52.217,  
141.515

# Harmonies

# Complementary

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



44, 23.581, 325.804



50, 23.572, 142.764

# Rectangle

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



44, 23.581, 325.804



44, 23.581, 15.804



44, 23.581, 145.804



44, 23.581, 195.804

# Sweetspot

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



44, 23.579, 325.804



64, 8.857, 324.848



41, 20.087, 293.137



32, 6.267, 324.920



84, 0.010, 296.813



35, 0.005, 296.813





# Same Dimension

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



44, 23.579, 325.804



54, 34.427, 326.088



43, 16.801, 345.912



25, 5.102, 324.899



30, 69.126, 328.235



0, 0.000, 0.000



# Inverse Universe

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



44, 23.579, 325.804



54, 34.427, 326.088



50, 16.285, 161.392



25, 5.102, 324.899



30, 69.126, 328.235

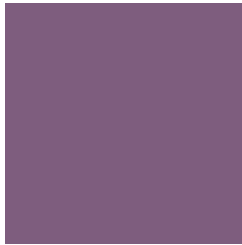


0, 0.000, 0.000



# Previews

## White Background



This preview shows how the CIELCh color 44, 23.581, 325.804 looks on a white background.

## Color Contrast Check

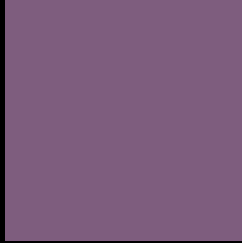
Large Text (above 18pt) WCAG AA ✓ Pass

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, 23.581, 325.804 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

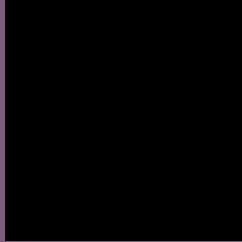
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 44, 23.581, 325.804

## Background



This preview shows how black text looks on a background with the CIELCh color 44, 23.581, 325.804.



This preview shows how white text looks on a background with the CIELCh color 44, 23.581, 325.804.

# 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, 23.581, 325.804


### Protanopia

44, 18.044, 285.822

### Deuteranopia

44, 13.835, 295.257





**Tritanopia**  
44, 11.911, 357.474

# Trichromacy



**Original Color**  
44, 23.581, 325.804

**Protanomaly**  
44, 19.584, 302.685

**Deuteranomaly**  
44, 16.464, 309.999

**Tritanomaly**  
44, 15.301, 339.988

# Monochromacy



**Original Color**  
44, 23.581, 325.804

**Achromatopsia**  
45, 0.006, 296.813

**Achromatomaly**  
45, 8.698, 324.969

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 23.581, 325.804 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(126, 93, 126)` looks like.

```
.text, #text, p{  
    color:rgb(126, 93, 126)  
}
```

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(126, 93, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 93, 126) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 23.581, 325.804 is called "border". The border property can be set on classes, ids or directly on the HTML element.

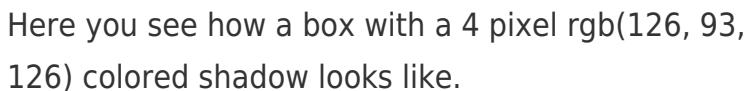
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 93, 126) }
```

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

```
.border{ border-color:rgb(126, 93, 126) }
```

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



Here you see how a box with a 4 pixel `rgb(126, 93, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 93, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 93, 126); box-shadow:4px 4px 4px 4px rgb(126, 93, 126) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 23.581, 325.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 93, 126) }
```

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

```
.background{ background-color: rgb(126, 93,  
126) }
```

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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