

# Converting Colors

CIELCh(44, 21.471, 332.241)

Have a look what the booklet for  
CIELCh(44, 21.471, 332.241)  
contains.

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**Color**

**CIELCh(44, 21.745, 332.201)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	805D79
RGB	128, 93, 121
RGB Percent	50%, 36%, 47%
CMY	0.4975, 0.6347, 0.5249
CMYK	0.00, 0.27, 0.05, 0.50
HSL	312°, 16%, 43%
HSV	312°, 27%, 50%
XYZ	16.3113, 13.8382, 19.9473
YIQ	106.6570, 11.8720, 16.1280

# Conversions

## Conversions Part 2

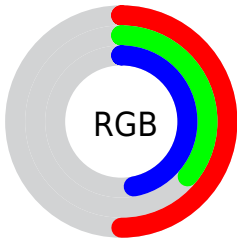
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 93, 121
Decimal	8412537
CIE <sub>Lab</sub>	44.00, 19.24, -10.14
CIE <sub>LCh</sub>	44, 21.745, 332.201
Yxy	13.8382, 0.3256, 0.2762
Android (android.graphics.Color)	4286602617 (0xFF805D79)
YUV	106.6570, 7.0711, 18.7178
Hunter-Lab	37.1997, 13.1689, -5.7528

# Details

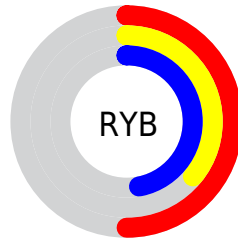
The CIELCh color  $44, 21.745, 332.201$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $50, 21.649, 148.597$ , and the grayscale version is  $45, 0.006, 296.813$ .

A 20% lighter version of the original color is  $64, 21.320, 332.390$ , and  $24, 21.760, 332.473$  is the 20% darker color. If you saturate the color by 10%, you get  $41, 29.584, 332.859$ , and if you desaturate by 10%, it is  $47, 13.759, 331.561$ .

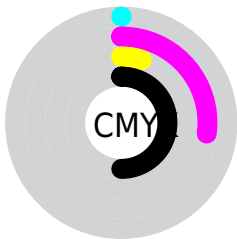
# Distribution



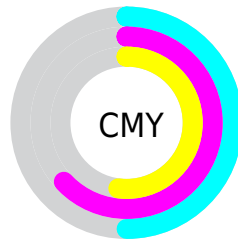
- Red (50%)
- Green (36%)
- Blue (47%)



- Red (50%)
- Yellow (36%)
- Blue (47%)



- Cyan (0%)
- Magenta (27%)
- Yellow (5%)
- Black (50%)



- Cyan (50%)
- Magenta (63%)
- Yellow (52%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 21.745, 332.201 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, 21.745, 332.201 by changing the saturation by 10% instead.





 44, 21.745,  
332.201


 44, 21.745,  
332.201


 100, 21.745,  
332.201


 34, 21.745,  
332.201

 64, 21.745,  
332.201


 24, 21.745,  
332.201

 74, 21.745,  
332.201

 14, 21.745,  
332.201

 84, 21.745,  
332.201

 4, 21.745, 332.201

 94, 21.745,  
332.201

 0, 21.745, 332.201

 44, 21.745,

 44, 21.745,

332.201

41, 29.584,  
332.859

38, 37.071,  
333.537

35, 43.933,  
334.239

33, 49.847,  
334.972

31, 54.482,  
335.752

29, 57.576,  
336.605

29, 59.260,  
337.543

28, 59.680,  
337.794

332.201

47, 13.759,  
331.561

51, 5.781, 330.927

55, 2.093, 150.483

58, 9.802, 149.836

62, 17.310,  
149.288

66, 24.603,  
148.773

70, 31.676,  
148.286

73, 38.535,  
147.826

77, 45.187,



# Harmonies

# Complementary

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



44, 21.745, 332.201



50, 21.649, 148.597

# Rectangle

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



44, 21.745, 332.201



44, 21.745, 22.201



44, 21.745, 152.201



44, 21.745, 202.201

# Sweetspot

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



44, 21.743, 332.201



64, 7.806, 330.983



41, 21.464, 300.114



33, 5.595, 331.068



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, 21.743, 332.201



54, 32.359, 332.623



43, 16.025, 358.766



25, 4.440, 331.041



28, 59.466, 337.788



0, 0.000, 0.000



# Inverse Universe

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



44, 21.743, 332.201



54, 32.359, 332.623



51, 14.836, 173.416



25, 4.440, 331.041



28, 59.466, 337.788

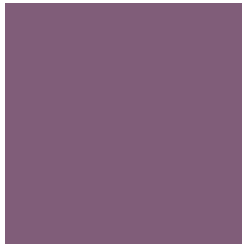


0, 0.000, 0.000



# Previews

## White Background



This preview shows how the CIELCh color 44, 21.745, 332.201 looks on a white background.

## Color Contrast Check

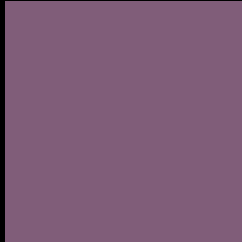
Large Text (above 18pt) WCAG AA ✓ Pass

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, 21.745, 332.201 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

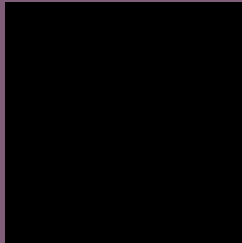
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 44, 21.745, 332.201

## Background



This preview shows how black text looks on a background with the CIELCh color 44, 21.745, 332.201.



This preview shows how white text looks on a background with the CIELCh color 44, 21.745, 332.201.

# 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, 21.745, 332.201


### Protanopia

44, 15.020, 286.639

### Deuteranopia

44, 11.004, 301.877





**Tritanopia**  
44, 13.520, 0.700

# Trichromacy



**Original Color**  
44, 21.745, 332.201

**Protanomaly**  
44, 16.826, 306.862

**Deuteranomaly**  
44, 14.149, 318.373

**Tritanomaly**  
44, 15.953, 347.611

# Monochromacy



**Original Color**  
44, 21.745, 332.201

**Achromatopsia**  
45, 0.006, 296.813

**Achromatomaly**  
45, 8.016, 332.288

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 21.745, 332.201 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(128, 93, 121)` looks like.

```
.text, #text, p{  
    color:rgb(128, 93, 121)  
}
```

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(128, 93, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 93, 121) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 21.745, 332.201 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(128, 93, 121) }
```

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

```
.border{ border-color:rgb(128, 93, 121) }
```

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

Here you see how a box with a 4 pixel rgb(128, 93, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 93, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 93, 121);  
box-shadow:4px 4px 4px 4px rgb(128, 93,  
121) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 21.745, 332.201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 93, 121) }
```

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

```
.background{ background-color: rgb(128, 93,  
121) }
```

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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