

# Converting Colors

CIELCh(44, 25.603, 352.023)

Have a look what the booklet for  
CIELCh(44, 25.603, 352.023)  
contains.

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**Color**

**CIELCh(44, 25.925, 351.769)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8E586F
RGB	142, 88, 111
RGB Percent	56%, 35%, 44%
CMY	0.4437, 0.6554, 0.5653
CMYK	0.00, 0.38, 0.22, 0.44
HSL	334°, 24%, 45%
HSV	334°, 38%, 56%
XYZ	17.4687, 13.8382, 16.7481
YIQ	106.7680, 24.8010, 18.6010

# Conversions

## Conversions Part 2

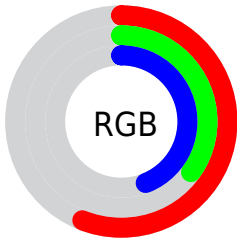
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	142, 88, 111
Decimal	9328751
CIE <sub>Lab</sub>	44.00, 25.66, -3.71
CIE <sub>LCh</sub>	44, 25.925, 351.769
Yxy	13.8382, 0.3635, 0.2880
Android (android.graphics.Color)	4287518831 (0xFF8E586F)
YUV	106.7680, 2.0864, 30.8985
Hunter-Lab	37.1997, 18.7227, -0.6538

# Details

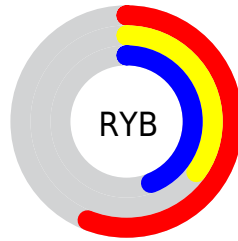
The CIELCh color  $44, 25.925, 351.769$  is a dark color, and the websafe version is hex  $996666$ . A complement of this color would be  $55, 24.303, 164.138$ , and the grayscale version is  $45, 0.006, 296.813$ .

A 20% lighter version of the original color is  $64, 25.961, 351.548$ , and  $24, 25.610, 352.301$  is the 20% darker color. If you saturate the color by 10%, you get  $41, 32.642, 353.221$ , and if you desaturate by 10%, it is  $48, 19.021, 350.534$ .

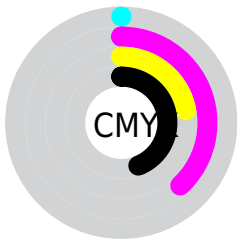
# Distribution



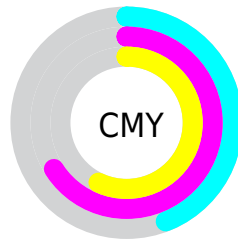
- Red (56%)
- Green (35%)
- Blue (44%)



- Red (56%)
- Yellow (35%)
- Blue (44%)



- Cyan (0%)
- Magenta (38%)
- Yellow (22%)
- Black (44%)



- Cyan (44%)
- Magenta (66%)
- Yellow (57%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 25.925, 351.769 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, 25.925, 351.769 by changing the saturation by 10% instead.





 44, 25.925,  
351.769


 44, 25.925,  
351.769


 100, 25.925,  
351.769


 34, 25.925,  
351.769

 64, 25.925,  
351.769


 24, 25.925,  
351.769

 74, 25.925,  
351.769

 14, 25.925,  
351.769

 84, 25.925,  
351.769

 4, 25.925, 351.769

 94, 25.925,  
351.769

 0, 25.925, 351.769

 44, 25.925,

 44, 25.925,

351.769

351.769

41, 32.642,  
353.221

48, 19.021,  
350.534

37, 38.924,  
354.960

52, 12.119,  
349.453

35, 44.454,  
357.096

56, 5.336, 348.472

32, 48.911,  
359.768

60, 1.259, 167.956

64, 7.631, 166.968

31, 52.070, 3.137

68, 13.768,  
166.251

30, 54.152, 7.195

72, 19.670,

30, 54.574, 7.980

165.603

77, 25.348,  
165.010

81, 30.815,



# Harmonies

# Complementary

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



44, 25.925, 351.769



55, 24.303, 164.138

# Rectangle

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



44, 25.925, 351.769



44, 25.925, 41.769



44, 25.925, 171.769



44, 25.925, 221.769

# Sweetspot

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



44, 25.923, 351.771



69, 9.031, 348.778



42, 34.405, 313.058



35, 6.057, 348.891



88, 0.010, 296.813



39, 0.006, 296.813





# Same Dimension

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



44, 25.923, 351.771



53, 38.595, 353.049



44, 22.846, 27.725



28, 3.765, 348.581



28, 52.684, 7.737



1, 2.510, 347.840



# Inverse Universe

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



44, 25.923, 351.771



53, 38.595, 353.049



54, 17.469, 204.638



28, 3.765, 348.581



28, 52.684, 7.737

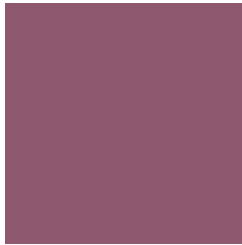


1, 2.510, 347.840



# Previews

## White Background



This preview shows how the CIELCh color 44, 25.925, 351.769 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, 25.925, 351.769 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

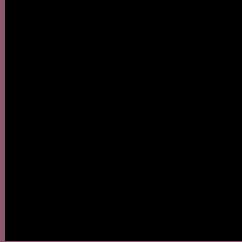
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 44, 25.925, 351.769**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 44, 25.925, 351.769.



This preview shows how white text looks on a background with the CIELCh color 44, 25.925, 351.769.

# 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, 25.925, 351.769

### Protanopia

44, 10.219, 285.168

### Deuteranopia

44, 6.502, 340.158





**Tritanopia**  
44, 22.044, 11.855

# Trichromacy



**Original Color**  
44, 25.925, 351.769

**Protanomaly**  
44, 13.529, 323.808

**Deuteranomaly**  
44, 13.607, 346.540

**Tritanomaly**  
44, 23.340, 3.754

# Monochromacy



**Original Color**  
44, 25.925, 351.769

**Achromatopsia**  
45, 0.006, 296.813

**Achromatomaly**  
45, 9.586, 350.885

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 25.925, 351.769 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(142, 88, 111)` looks like.

```
.text, #text, p{  
    color:rgb(142, 88, 111)  
}
```

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(142, 88, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 88, 111) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 25.925, 351.769 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(142, 88, 111) }
```

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

```
.border{ border-color:rgb(142, 88, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 88, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 88, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 88, 111);  
box-shadow:4px 4px 4px 4px rgb(142, 88,  
111) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 25.925, 351.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 88, 111) }
```

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

```
.background{ background-color: rgb(142, 88,  
111) }
```

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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