

# Converting Colors

CIELCh(45, 26.400, 335.065)

Have a look what the booklet for  
CIELCh(45, 26.400, 335.065)  
contains.

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**Color**

**CIELCh(45, 26.341, 335.189)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	895C7D
RGB	137, 92, 125
RGB Percent	54%, 36%, 49%
CMY	0.4615, 0.6380, 0.5086
CMYK	0.00, 0.33, 0.09, 0.46
HSL	316°, 20%, 45%
HSV	316°, 33%, 54%
XYZ	17.9453, 14.5417, 21.3687
YIQ	109.2170, 16.2270, 19.8030

# Conversions

## Conversions Part 2

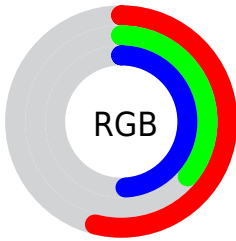
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	137, 92, 125
Decimal	9002109
CIE <sub>Lab</sub>	45.00, 23.91, -11.05
CIE <sub>LCh</sub>	45, 26.341, 335.189
Yxy	14.5417, 0.3332, 0.2700
Android (android.graphics.Color)	4287192189 (0xFF895C7D)
YUV	109.2170, 7.7810, 24.3657
Hunter-Lab	38.1336, 17.2666, -6.5304

# Details

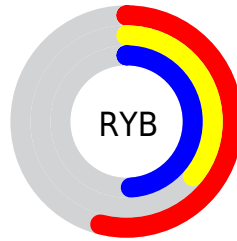
The CIELCh color  $45, 26.341, 335.189$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $53, 26.122, 150.432$ , and the grayscale version is  $46, 0.006, 296.813$ .

A 20% lighter version of the original color is  $65, 26.381, 334.845$ , and  $25, 26.184, 335.174$  is the 20% darker color. If you saturate the color by 10%, you get  $42, 34.118, 335.953$ , and if you desaturate by 10%, it is  $49, 18.314, 334.467$ .

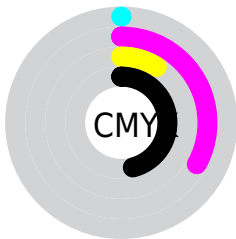
# Distribution



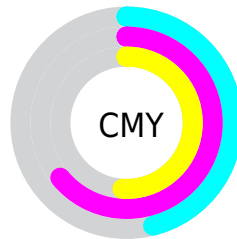
- Red (54%)
- Green (36%)
- Blue (49%)



- Red (54%)
- Yellow (36%)
- Blue (49%)



- Cyan (0%)
- Magenta (33%)
- Yellow (9%)
- Black (46%)




- Cyan (46%)
- Magenta (64%)
- Yellow (51%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 26.341, 335.189 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 45, 26.341, 335.189 by changing the saturation by 10% instead.




 45, 26.341,  
335.189


 45, 26.341,  
335.189


 100, 26.341,  
335.189


 35, 26.341,  
335.189

 65, 26.341,  
335.189


 25, 26.341,  
335.189

 75, 26.341,  
335.189

 15, 26.341,  
335.189

 85, 26.341,  
335.189

 5, 26.341, 335.189

 95, 26.341,  
335.189

 0, 26.341, 335.189

 45, 26.341,

 45, 26.341,

335.189

42, 34.118,  
335.953

39, 41.393,  
336.769

36, 47.842,  
337.653

34, 53.107,  
338.633

32, 56.861,  
339.749

31, 58.905,  
341.055

30, 59.813,  
342.068

335.189

49, 18.314,  
334.467

52, 10.230,  
333.775

56, 2.213, 333.041

60, 5.656, 152.584

64, 13.331,  
151.978

68, 20.788,  
151.421

72, 28.021,  
150.898

76, 35.031,  
150.405

■ 80, 41.826,  
149.941

# Harmonies

# Complementary

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



45, 26.341, 335.189



53, 26.122, 150.432

# Rectangle

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



45, 26.341, 335.189



45, 26.341, 25.189



45, 26.341, 155.189



45, 26.341, 205.189

# Sweetspot

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



45, 26.339, 335.190



68, 9.897, 333.600



42, 27.677, 302.872



35, 6.731, 333.683



87, 0.010, 296.813



38, 0.005, 296.813





# Same Dimension

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



45, 26.339, 335.190



55, 38.644, 335.725



44, 20.090, 4.357



27, 4.515, 333.527



29, 58.348, 342.010



0, 2.081, 332.975



# Inverse Universe

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



45, 26.339, 335.190



55, 38.644, 335.725



54, 17.833, 177.688



27, 4.515, 333.527



29, 58.348, 342.010

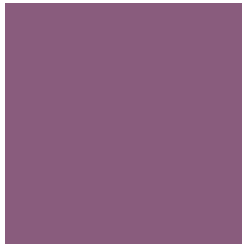


0, 2.081, 332.975



# Previews

## White Background



This preview shows how the CIELCh color 45, 26.341, 335.189 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 45, 26.341, 335.189 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

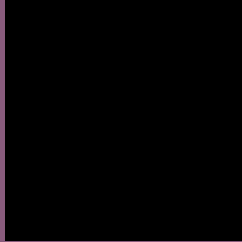
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 45, 26.341, 335.189**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 45, 26.341, 335.189.



This preview shows how white text looks on a background with the CIELCh color 45, 26.341, 335.189.

# 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

45, 26.341, 335.189

### Protanopia

45, 17.368, 285.395

### Deuteranopia

45, 11.554, 301.382





**Tritanopia**  
45, 17.211, 5.908

# Trichromacy



**Original Color**  
45, 26.341, 335.189

**Protanomaly**  
45, 18.682, 307.841

**Deuteranomaly**  
45, 16.222, 319.371

**Tritanomaly**  
45, 19.654, 351.474

# Monochromacy



**Original Color**  
45, 26.341, 335.189

**Achromatopsia**  
46, 0.006, 296.813

**Achromatomaly**  
46, 9.671, 333.149

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 45, 26.341, 335.189 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(137, 92, 125)` looks like.

```
.text, #text, p{  
    color:rgb(137, 92, 125)  
}
```

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(137, 92, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 92, 125) }
```

## Border

The CSS property to change the border of an element to CIELCh 45, 26.341, 335.189 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(137, 92, 125) }
```

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

```
.border{ border-color:rgb(137, 92, 125) }
```

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

Here you see how a box with a 4 pixel rgb(137, 92, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 92, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 92, 125);  
box-shadow:4px 4px 4px 4px rgb(137, 92,  
125) }
```

# Background

The CSS property to change the background color of an element to CIELCh 45, 26.341, 335.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 92, 125) }
```

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

```
.background{ background-color: rgb(137, 92,  
125) }
```

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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