

# Converting Colors

CIELCh(47, 37.735, 356.298)

Have a look what the booklet for  
CIELCh(47, 37.735, 356.298)  
contains.

<b>CIELCh(47, 37.835, 356.292)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(47, 37.835, 356.292)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A85575
RGB	168, 85, 117
RGB Percent	66%, 33%, 46%
CMY	0.3424, 0.6678, 0.5423
CMYK	0.00, 0.49, 0.30, 0.34
HSL	337°, 33%, 49%
HSV	337°, 49%, 66%
XYZ	22.5009, 16.0195, 18.6480
YIQ	113.4650, 39.1960, 27.5480

# Conversions

## Conversions Part 2

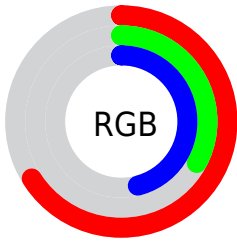
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 85, 117
Decimal	11031925
CIE <sub>Lab</sub>	47.00, 37.76, -2.45
CIE <sub>LCh</sub>	47, 37.835, 356.292
Yxy	16.0195, 0.3936, 0.2802
Android (android.graphics.Color)	4289222005 (0xFFA85575)
YUV	113.4650, 1.7428, 47.8272
Hunter-Lab	40.0243, 30.3067, 0.3929

# Details

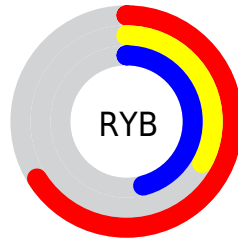
The CIELCh color  $47, 37.835, 356.292$  is a dark color, and the websafe version is hex  $993366$ . A complement of this color would be  $63, 34.240, 165.027$ , and the grayscale version is  $48, 0.006, 296.813$ .

A 20% lighter version of the original color is  $67, 37.727, 356.226$ , and  $27, 37.613, 356.236$  is the 20% darker color. If you saturate the color by 10%, you get  $43, 44.885, 358.267$ , and if you desaturate by 10%, it is  $51, 30.258, 354.674$ .

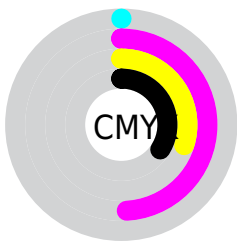
# Distribution



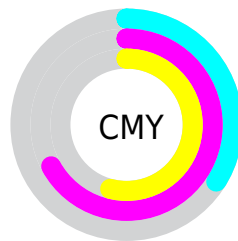
- Red (66%)
- Green (33%)
- Blue (46%)



- Red (66%)
- Yellow (33%)
- Blue (46%)



- Cyan (0%)
- Magenta (49%)
- Yellow (30%)
- Black (34%)




- Cyan (34%)
- Magenta (67%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 37.835, 356.292 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 47, 37.835, 356.292 by changing the saturation by 10% instead.





 47, 37.835,  
356.292


 47, 37.835,  
356.292


 100, 37.835,  
356.292


 37, 37.835,  
356.292

 67, 37.835,  
356.292


 27, 37.835,  
356.292

 77, 37.835,  
356.292

 17, 37.835,  
356.292

 87, 37.835,  
356.292

 7, 37.835, 356.292

 97, 37.835,  
356.292

 0, 37.835, 356.292

 47, 37.835,

 47, 37.835,

356.292

356.292

43, 44.885,  
358.267

51, 30.258,  
354.674

40, 51.051, 0.725

55, 22.466,  
353.314

38, 55.982, 3.827

60, 14.678,  
352.144

36, 59.486, 7.743

35, 61.941, 12.392

64, 7.036, 351.103

35, 62.077, 12.633

69, 0.376, 171.306

74, 7.518, 169.511

79, 14.377,  
168.759

83, 20.956,  
168.088

88, 27.270,



# Harmonies

# Complementary

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



47, 37.835, 356.292



63, 34.240, 165.027

# Rectangle

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



47, 37.835, 356.292



47, 37.835, 46.292



47, 37.835, 176.292



47, 37.835, 226.292

# Sweetspot

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



47, 37.832, 356.294



78, 13.847, 351.694



45, 51.694, 314.647



40, 9.551, 351.908



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



47, 37.832, 356.294



56, 54.805, 358.393



48, 34.659, 31.668



33, 4.213, 351.084



31, 56.539, 12.029



2, 7.336, 353.781



# Inverse Universe

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



47, 37.832, 356.294



56, 54.805, 358.393



61, 23.831, 208.853



33, 4.213, 351.084



31, 56.539, 12.029

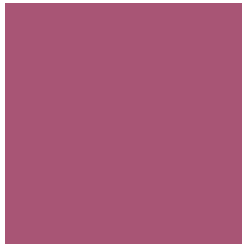


2, 7.336, 353.781



# Previews

## White Background



This preview shows how the CIELCh color 47, 37.835, 356.292 looks on a white background.

## Color Contrast Check

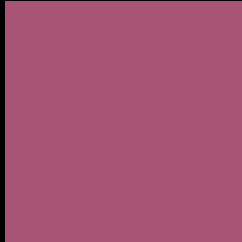
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 37.835, 356.292 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

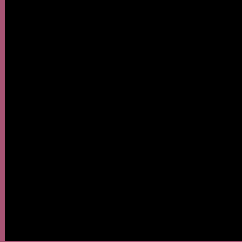
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 47, 37.835, 356.292**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 47, 37.835, 356.292.



This preview shows how white text looks on a background with the CIELCh color 47, 37.835, 356.292.

# 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







**Tritanopia**  
47, 33.882, 18.531

# Trichromacy



**Original Color**  
47, 37.835, 356.292

**Protanomaly**  
46, 18.984, 327.602

**Deuteranomaly**  
47, 18.076, 354.842

**Tritanomaly**  
47, 35.012, 9.585

# Monochromacy



**Original Color**  
47, 37.835, 356.292

**Achromatopsia**  
48, 0.006, 296.813

**Achromatomaly**  
47, 13.974, 353.672

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 47, 37.835, 356.292 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(168, 85, 117)` looks like.

```
.text, #text, p{  
    color:rgb(168, 85, 117)  
}
```

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(168, 85, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 85, 117) }
```

## Border

The CSS property to change the border of an element to CIELCh 47, 37.835, 356.292 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(168, 85, 117) }
```

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

```
.border{ border-color:rgb(168, 85, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 85, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 85, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 85, 117);  
box-shadow:4px 4px 4px 4px rgb(168, 85,  
117) }
```

# Background

The CSS property to change the background color of an element to CIELCh 47, 37.835, 356.292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 85, 117) }
```

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

```
.background{ background-color: rgb(168, 85,  
117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor