

# Converting Colors

CIELCh(41, 62.349, 339.307)

Have a look what the booklet for  
CIELCh(41, 62.349, 339.307)  
contains.

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**Color**

**CIELCh(41, 62.425, 339.261)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A82C86
RGB	168, 44, 134
RGB Percent	66%, 17%, 53%
CMY	0.3409, 0.8271, 0.4742
CMYK	0.00, 0.74, 0.20, 0.34
HSL	316°, 58%, 42%
HSV	316°, 74%, 66%
XYZ	21.3771, 11.8645, 23.7436
YIQ	91.3360, 45.0140, 54.2780

# Conversions

## Conversions Part 2

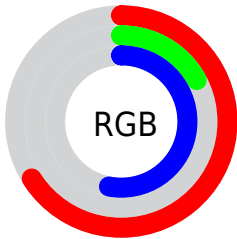
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 44, 134
Decimal	11021446
CIE <sub>Lab</sub>	41.00, 58.38, -22.11
CIE <sub>LCh</sub>	41, 62.425, 339.261
Yxy	11.8645, 0.3751, 0.2082
Android (android.graphics.Color)	4289211526 (0xFFA82C86)
YUV	91.3360, 21.0334, 67.2343
Hunter-Lab	34.4449, 50.5012, -16.7584

# Details

The CIELCh color **41, 62.425, 339.261** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **61, 64.356, 145.200**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 62.494, 339.310**, and **24, 52.441, 340.630** is the 20% darker color. If you saturate the color by 10%, you get **39, 66.368, 340.476**, and if you desaturate by 10%, it is **44, 56.596, 338.209**.

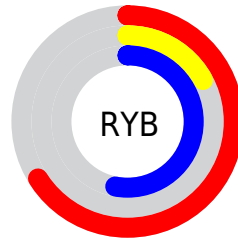
# Distribution



Red (66%)

Green (17%)

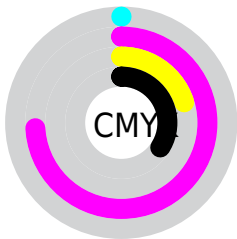
Blue (53%)



Red (66%)

Yellow (17%)

Blue (53%)

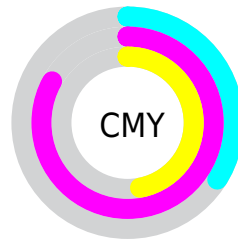


Cyan (0%)

Magenta (74%)

Yellow (20%)

Black (34%)



Cyan (34%)

Magenta (83%)


Yellow (47%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 62.425, 339.261 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 41, 62.425, 339.261 by changing the saturation by 10% instead.





 41, 62.425,  
339.261


 41, 62.425,  
339.261


 100, 62.425,  
339.261


 31, 62.425,  
339.261

 61, 62.425,  
339.261


 21, 62.425,  
339.261

 71, 62.425,  
339.261

 11, 62.425,  
339.261


 81, 62.425,  
339.261

 1, 62.425, 339.261

 91, 62.425,  
339.261

 0, 62.425, 339.261

 41, 62.425,

 41, 62.425,

339.261

339.261

■ 39, 66.368,  
340.476

■ 44, 56.596,  
338.209

■ 38, 68.252,  
341.914

■ 47, 49.267,  
337.272

■ 37, 68.791,  
342.897

■ 50, 40.871,  
336.415

■ 54, 31.814,  
335.619

■ 58, 22.422,  
334.869

■ 63, 12.934,  
334.155

■ 67, 3.514, 333.429

■ 72, 5.737, 152.931

■ 76, 14.758,  
152.303

# Harmonies

# Complementary

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



41, 62.425, 339.261



61, 64.356, 145.200

# Rectangle

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



41, 62.425, 339.261



41, 62.425, 29.261



41, 62.425, 159.261



41, 62.425, 209.261

# Sweetspot

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



41, 62.422, 339.261



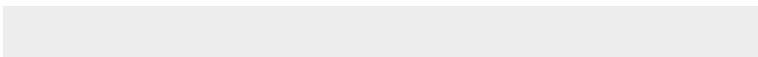
75, 25.765, 334.770



30, 76.498, 306.883



38, 17.293, 334.957



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



41, 62.422, 339.261



50, 82.769, 341.435



39, 53.408, 14.223



33, 5.307, 333.841



33, 62.742, 342.699



2, 9.127, 336.234



# Inverse Universe

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



41, 62.422, 339.261



50, 82.769, 341.435



62, 40.649, 172.382



33, 5.307, 333.841



33, 62.742, 342.699



2, 9.127, 336.234



# Previews

## White Background



This preview shows how the CIELCh color 41, 62.425, 339.261 looks on a white background.

## Color Contrast Check

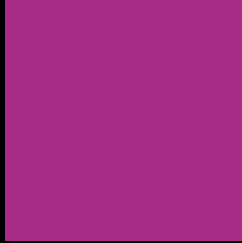
Large Text (above 18pt) WCAG AA ✓ Pass

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 41, 62.425, 339.261 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

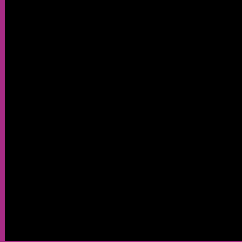
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 41, 62.425, 339.261

## Background



This preview shows how black text looks on a background with the CIELCh color 41, 62.425, 339.261.

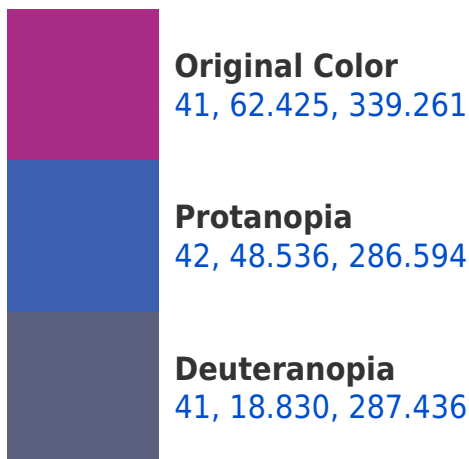


This preview shows how white text looks on a background with the CIELCh color 41, 62.425, 339.261.

# 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**  
41, 44.470, 24.288

# Trichromacy



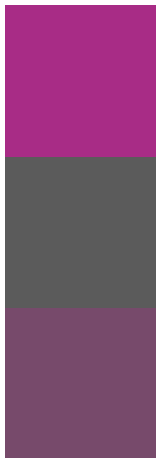
**Original Color**  
41, 62.425, 339.261

**Protanomaly**  
38, 51.799, 304.988

**Deuteranomaly**  
39, 35.694, 320.294

**Tritanomaly**  
41, 47.225, 3.314

# Monochromacy



**Original Color**  
41, 62.425, 339.261

**Achromatopsia**  
39, 0.005, 296.813

**Achromatomaly**  
38, 26.955, 335.523

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 41, 62.425, 339.261 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, 44, 134)` looks like.

```
.text, #text, p{  
    color:rgb(168, 44, 134)  
}
```

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, 44, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 44, 134) }
```

## Border

The CSS property to change the border of an element to CIELCh 41, 62.425, 339.261 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, 44, 134) }
```

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

```
.border{ border-color:rgb(168, 44, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 44, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 44, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 44, 134);  
box-shadow:4px 4px 4px 4px rgb(168, 44,  
134) }
```

# Background

The CSS property to change the background color of an element to CIELCh 41, 62.425, 339.261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 44, 134) }
```

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

```
.background{ background-color: rgb(168, 44,  
134) }
```

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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