

# Converting Colors

CIELCh(50, 42.002, 329.318)

Have a look what the booklet for  
CIELCh(50, 42.002, 329.318)  
contains.

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**Color**

**CIELCh(50, 41.966, 329.305)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A2609C
RGB	162, 96, 156
RGB Percent	64%, 38%, 61%
CMY	0.3651, 0.6239, 0.3886
CMYK	0.00, 0.41, 0.04, 0.37
HSL	305°, 26%, 51%
HSV	305°, 41%, 63%
XYZ	25.0492, 18.4187, 33.6472
YIQ	122.5740, 20.0760, 32.6520

# Conversions

## Conversions Part 2

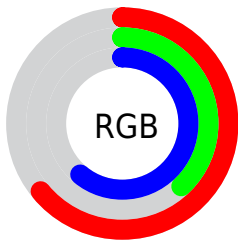
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	162, 96, 156
Decimal	10641564
CIE <sub>Lab</sub>	50.00, 36.09, -21.42
CIE <sub>LCh</sub>	50, 41.966, 329.305
Yxy	18.4187, 0.3248, 0.2388
Android (android.graphics.Color)	4288831644 (0xFFA2609C)
YUV	122.5740, 16.4790, 34.5766
Hunter-Lab	42.9170, 29.0798, -16.4419

# Details

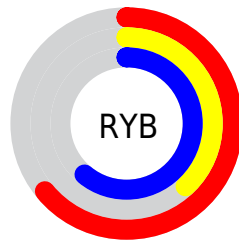
The CIELCh color  $50, 41.966, 329.305$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $61, 42.026, 143.864$ , and the grayscale version is  $51, 0.007, 296.813$ .

A 20% lighter version of the original color is  $70, 42.151, 329.144$ , and  $30, 41.964, 329.191$  is the 20% darker color. If you saturate the color by 10%, you get  $47, 51.380, 329.855$ , and if you desaturate by 10%, it is  $54, 31.924, 328.738$ .

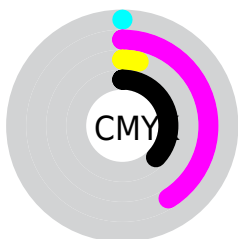
# Distribution



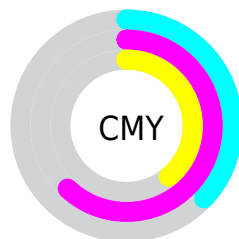
- Red (64%)
- Green (38%)
- Blue (61%)



- Red (64%)
- Yellow (38%)
- Blue (61%)



- Cyan (0%)
- Magenta (41%)
- Yellow (4%)
- Black (37%)




- Cyan (37%)
- Magenta (62%)
- Yellow (39%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 41.966, 329.305 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 50, 41.966, 329.305 by changing the saturation by 10% instead.





 50, 41.966,  
329.305


 50, 41.966,  
329.305


 100, 41.966,  
329.305


 40, 41.966,  
329.305


 70, 41.966,  
329.305

 30, 41.966,  
329.305


 80, 41.966,  
329.305


 20, 41.966,  
329.305

 90, 41.966,  
329.305

 10, 41.966,  
329.305

 0, 41.966, 329.305

 50, 41.966,  
329.305

 50, 41.966,  
329.305

47, 51.380,  
329.855

54, 31.924,  
328.738

44, 59.787,  
330.380

58, 21.570,  
328.162

41, 66.770,  
330.875

62, 11.137,  
327.581

39, 71.955,  
331.338

66, 0.785, 326.736

38, 75.124,  
331.777

71, 9.381, 146.520

37, 76.669,  
332.172

75, 19.300,  
145.980

80, 28.938,  
145.472

84, 38.283,  
144.991

89, 47.335,  
144.536



# Harmonies

# Complementary

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



50, 41.966, 329.305



61, 42.026, 143.864

# Rectangle

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



50, 41.966, 329.305



50, 41.966, 19.305



50, 41.966, 149.305



50, 41.966, 199.305

# Sweetspot

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



50, 41.964, 329.305



78, 15.463, 327.667



44, 39.646, 298.002



41, 10.345, 327.739



93, 0.011, 296.813



45, 0.006, 296.813





# Same Dimension

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



50, 41.964, 329.305



61, 61.800, 329.811



49, 30.794, 352.803



32, 5.889, 327.494



33, 70.885, 332.133



1, 8.946, 327.816



# Inverse Universe

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



50, 41.964, 329.305



61, 61.800, 329.811



62, 28.638, 164.302



32, 5.889, 327.494



33, 70.885, 332.133

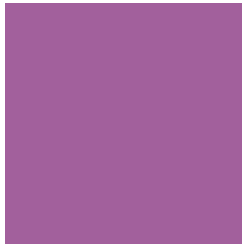


1, 8.946, 327.816



# Previews

## White Background



This preview shows how the CIELCh color 50, 41.966, 329.305 looks on a white background.

## Color Contrast Check

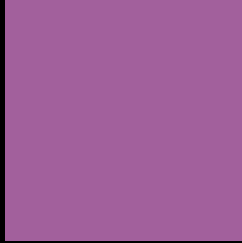
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the CIE LCh color 50, 41.966, 329.305 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

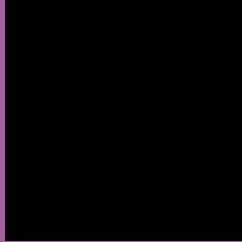
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 50, 41.966, 329.305

## Background



This preview shows how black text looks on a background with the CIELCh color 50, 41.966, 329.305.

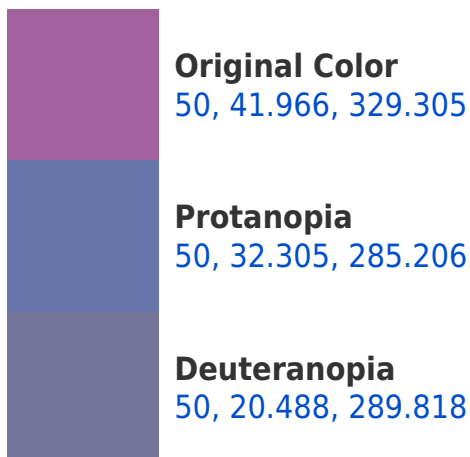


This preview shows how white text looks on a background with the CIELCh color 50, 41.966, 329.305.

# 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**  
50, 22.359, 10.456

# Trichromacy



**Original Color**  
50, 41.966, 329.305

**Protanomaly**  
50, 33.868, 302.347

**Deuteranomaly**  
50, 27.139, 310.425

**Tritanomaly**  
50, 27.487, 348.584

# Monochromacy



**Original Color**  
50, 41.966, 329.305

**Achromatopsia**  
51, 0.007, 296.813

**Achromatomaly**  
51, 15.497, 329.030

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 50, 41.966, 329.305 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(162, 96, 156)` looks like.

```
.text, #text, p{  
    color:rgb(162, 96, 156)  
}
```

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(162, 96, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 96, 156) }
```

## Border

The CSS property to change the border of an element to CIELCh 50, 41.966, 329.305 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(162, 96, 156) }
```

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

```
.border{ border-color:rgb(162, 96, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 96, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 96, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 96, 156); box-shadow:4px 4px 4px 4px rgb(162, 96, 156) }
```

# Background

The CSS property to change the background color of an element to CIELCh 50, 41.966, 329.305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 96, 156) }
```

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

```
.background{ background-color: rgb(162, 96,  
156) }
```

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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