

# Converting Colors

CIELCh(41, 16.486, 319.111)

Have a look what the booklet for  
CIELCh(41, 16.486, 319.111)  
contains.

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# Color

**CIELCh(41, 16.483, 319.437)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6D5A72
RGB	109, 90, 114
RGB Percent	43%, 35%, 45%
CMY	0.5712, 0.6457, 0.5516
CMYK	0.04, 0.21, 0.00, 0.55
HSL	288°, 12%, 40%
HSV	288°, 21%, 45%
XYZ	13.0905, 11.8645, 17.6232
YIQ	98.4170, 3.6200, 11.4920

# Conversions

## Conversions Part 2

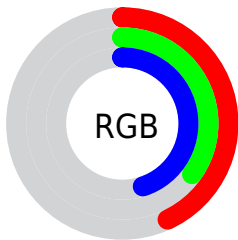
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	109, 90, 114
Decimal	7166578
CIE <sub>Lab</sub>	41.00, 12.52, -10.72
CIE <sub>LCh</sub>	41, 16.483, 319.437
Yxy	11.8645, 0.3074, 0.2787
Android (android.graphics.Color)	4285356658 (0xFF6D5A72)
YUV	98.4170, 7.6824, 9.2813
Hunter-Lab	34.4449, 7.5587, -6.2233

# Details

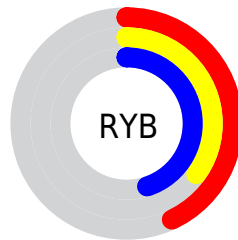
The CIELCh color  $41, 16.483, 319.437$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $46, 16.319, 137.590$ , and the grayscale version is  $42, 0.006, 296.813$ .

A 20% lighter version of the original color is  $61, 16.698, 319.716$ , and  $21, 16.596, 319.266$  is the 20% darker color. If you saturate the color by 10%, you get  $38, 24.433, 319.859$ , and if you desaturate by 10%, it is  $44, 8.570, 319.005$ .

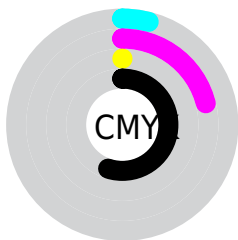
# Distribution



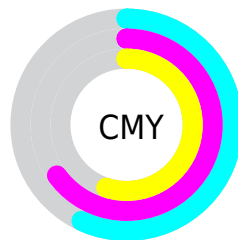
- Red (43%)
- Green (35%)
- Blue (45%)



- Red (43%)
- Yellow (35%)
- Blue (45%)



- Cyan (4%)
- Magenta (21%)
- Yellow (0%)
- Black (55%)




- Cyan (57%)
- Magenta (65%)
- Yellow (55%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 16.483, 319.437 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, 16.483, 319.437 by changing the saturation by 10% instead.





 41, 16.483,  
319.437


 41, 16.483,  
319.437


 100, 16.483,  
319.437


 31, 16.483,  
319.437

 61, 16.483,  
319.437


 21, 16.483,  
319.437

 71, 16.483,  
319.437


 11, 16.483,  
319.437


 81, 16.483,  
319.437

 1, 16.483, 319.437

 91, 16.483,  
319.437

 0, 16.483, 319.437

 41, 16.483,

 41, 16.483,

319.437

38, 24.433,  
319.859

35, 32.307,  
320.259

32, 39.927,  
320.616

29, 47.054,  
320.899

26, 53.388,  
321.072

24, 58.594,  
321.096

23, 62.373,  
320.931

22, 65.155,  
320.719

319.437

44, 8.570, 319.005

48, 0.776, 318.429

51, 6.854, 138.226

55, 14.294,  
137.837

58, 21.533,  
137.480

62, 28.566,  
137.150

65, 35.397,  
136.846

69, 42.032,  
136.568

72, 48.480,



# Harmonies

# Complementary

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



41, 16.483, 319.437



46, 16.319, 137.590

# Rectangle

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



41, 16.483, 319.437



41, 16.483, 9.437



41, 16.483, 139.437



41, 16.483, 189.437

# Sweetspot

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



41, 16.482, 319.437



59, 5.750, 318.790



41, 11.554, 282.016



30, 3.790, 318.811



81, 0.010, 296.813



31, 0.005, 296.813





# Same Dimension

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



41, 16.482, 319.437



51, 24.287, 319.634



41, 14.350, 334.983



22, 4.307, 318.917



23, 67.390, 320.683



50, 115.289, 320.284



# Inverse Universe

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



41, 10.730, 4.634



51, 15.936, 5.191



46, 14.245, 152.149



22, 2.750, 3.344



24, 51.927, 26.515



52, 91.177, 29.909



# Previews

## White Background



This preview shows how the CIELCh color 41, 16.483, 319.437 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, 16.483, 319.437 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

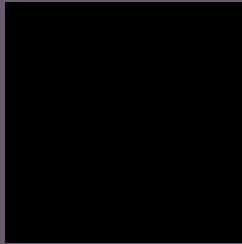
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 41, 16.483, 319.437**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 41, 16.483, 319.437.



This preview shows how white text looks on a background with the CIELCh color 41, 16.483, 319.437.

# 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

41, 16.483, 319.437

### Protanopia

41, 13.401, 285.706

### Deuteranopia

41, 12.295, 299.246





**Tritanopia**  
41, 7.254, 344.661

# Trichromacy



## Original Color

41, 16.483, 319.437

## Protanomaly

41, 14.101, 298.489

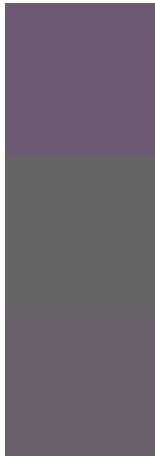
## Deuteranomaly

41, 13.306, 307.418

## Tritanomaly

41, 10.307, 330.942

# Monochromacy



## Original Color

41, 16.483, 319.437

## Achromatopsia

42, 0.006, 296.813

## Achromatomaly

42, 6.189, 318.471

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 41, 16.483, 319.437 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(109, 90, 114)` looks like.

```
.text, #text, p{  
    color:rgb(109, 90, 114)  
}
```

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(109, 90, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 90, 114) }
```

## Border

The CSS property to change the border of an element to CIELCh 41, 16.483, 319.437 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(109, 90, 114) }
```

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

```
.border{ border-color:rgb(109, 90, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 90, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 90, 114); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 90, 114); box-shadow:4px 4px 4px 4px rgb(109, 90, 114) }
```

# Background

The CSS property to change the background color of an element to CIELCh 41, 16.483, 319.437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 90, 114) }
```

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

```
.background{ background-color: rgb(109, 90,  
114) }
```

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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