

# Converting Colors

CIELCh(42, 12.969, 319.416)

Have a look what the booklet for  
CIELCh(42, 12.969, 319.416)  
contains.

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# Color

**CIELCh(42, 13.025, 319.187)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6D5E71
RGB	109, 94, 113
RGB Percent	43%, 37%, 44%
CMY	0.5718, 0.6306, 0.5561
CMYK	0.04, 0.17, 0.00, 0.56
HSL	287°, 9%, 41%
HSV	287°, 17%, 44%
XYZ	13.3425, 12.5000, 17.3907
YIQ	100.6510, 2.8410, 9.0890

# Conversions

## Conversions Part 2

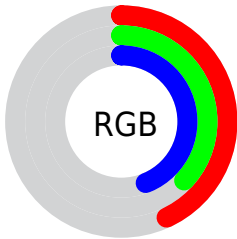
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	109, 94, 113
Decimal	7167601
CIE <sub>Lab</sub>	42.00, 9.86, -8.51
CIE <sub>LCh</sub>	42, 13.025, 319.187
Yxy	12.5000, 0.3086, 0.2891
Android (android.graphics.Color)	4285357681 (0xFF6D5E71)
YUV	100.6510, 6.0881, 7.3221
Hunter-Lab	35.3553, 5.4909, -4.4149

# Details

The CIELCh color  $42, 13.025, 319.187$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $46, 12.916, 137.745$ , and the grayscale version is  $43, 0.006, 296.813$ .

A 20% lighter version of the original color is  $62, 13.479, 319.639$ , and  $22, 12.795, 318.738$  is the 20% darker color. If you saturate the color by 10%, you get  $39, 20.901, 319.613$ , and if you desaturate by 10%, it is  $45, 5.224, 318.751$ .

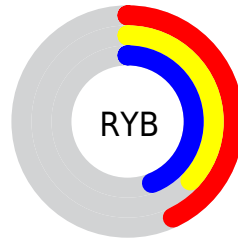
# Distribution



Red (43%)

Green (37%)

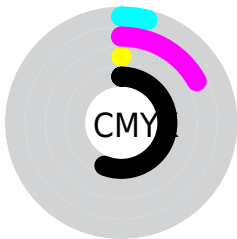
Blue (44%)



Red (43%)

Yellow (37%)

Blue (44%)

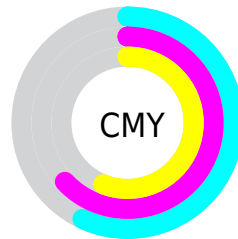


Cyan (4%)

Magenta (17%)

Yellow (0%)

Black (56%)



Cyan (57%)

Magenta (63%)


Yellow (56%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 13.025, 319.187 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 42, 13.025, 319.187 by changing the saturation by 10% instead.




 42, 13.025,  
319.187


 42, 13.025,  
319.187


 100, 13.025,  
319.187


 32, 13.025,  
319.187

 62, 13.025,  
319.187


 22, 13.025,  
319.187

 72, 13.025,  
319.187

 12, 13.025,  
319.187


 82, 13.025,  
319.187

 2, 13.025, 319.187

 92, 13.025,  
319.187

 0, 13.025, 319.187

 42, 13.025,

 42, 13.025,

319.187

39, 20.901,  
319.613

35, 28.758,  
320.024

32, 36.446,  
320.401

30, 43.759,  
320.719

27, 50.422,  
320.944

25, 56.112,  
321.036

23, 60.507,  
320.955

22, 63.678,  
320.717

319.187

45, 5.224, 318.751

49, 2.437, 138.424

52, 9.922, 137.992

56, 17.212,  
137.619

59, 24.301,  
137.274

63, 31.187,  
136.957

66, 37.875,  
136.665

70, 44.373,  
136.398

73, 50.689,

■ 21, 64.706,  
320.651

136.156

# Harmonies

# Complementary

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



42, 13.025, 319.187



46, 12.916, 137.745

# Rectangle

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



42, 13.025, 319.187



42, 13.025, 9.187



42, 13.025, 139.187



42, 13.025, 189.187

# Sweetspot

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



42, 13.024, 319.187



59, 4.784, 318.674



42, 9.110, 281.423



30, 3.245, 318.699



81, 0.010, 296.813



31, 0.005, 296.813





# Same Dimension

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



42, 13.024, 319.187



53, 19.366, 319.347



42, 11.357, 334.689



22, 4.304, 318.849



23, 67.411, 320.608



50, 115.329, 320.205



# Inverse Universe

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



42, 8.431, 3.991



53, 12.614, 4.409



46, 11.286, 152.486



22, 2.752, 3.175



24, 51.858, 26.337



52, 91.040, 29.739



# Previews

## White Background



This preview shows how the CIELCh color 42, 13.025, 319.187 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 42, 13.025, 319.187 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 42, 13.025, 319.187**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 42, 13.025, 319.187.



This preview shows how white text looks on a background with the CIELCh color 42, 13.025, 319.187.

# 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

42, 13.025, 319.187

### Protanopia

42, 10.899, 287.731

### Deuteranopia

42, 9.914, 303.069





**Tritanopia**  
42, 6.557, 340.193

# Trichromacy



**Original Color**  
42, 13.025, 319.187

**Protanomaly**  
42, 11.034, 299.905

**Deuteranomaly**  
42, 10.940, 310.716

**Tritanomaly**  
42, 9.034, 327.210

# Monochromacy



**Original Color**  
42, 13.025, 319.187

**Achromatopsia**  
43, 0.006, 296.813

**Achromatomaly**  
43, 4.183, 320.009

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 42, 13.025, 319.187 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, 94, 113)` looks like.

```
.text, #text, p{  
    color:rgb(109, 94, 113)  
}
```

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, 94, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 94, 113) }
```

## Border

The CSS property to change the border of an element to CIELCh 42, 13.025, 319.187 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, 94, 113) }
```

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

```
.border{ border-color:rgb(109, 94, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 94, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 94, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 94, 113);  
box-shadow:4px 4px 4px 4px rgb(109, 94,  
113) }
```

# Background

The CSS property to change the background color of an element to CIELCh 42, 13.025, 319.187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 94, 113) }
```

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

```
.background{ background-color: rgb(109, 94,  
113) }
```

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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