

Converting Colors

CIELCh(42, 64.650, 319.059)

Have a look what the booklet for
CIELCh(42, 64.650, 319.059)
contains.

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Color

CIELCh(42, 64.650, 319.059)

Conversions

Conversions Part 1

Format	Color
Hex	8E42AA
RGB	142, 66, 170
RGB Percent	56%, 26%, 67%
CMY	0.4440, 0.7419, 0.3341
CMYK	0.16, 0.61, 0.00, 0.33
HSL	284°, 44%, 46%
HSV	284°, 61%, 67%
XYZ	20.2920, 12.5000, 39.2708
YIQ	100.5800, 11.9120, 48.4560

Conversions

Conversions Part 2

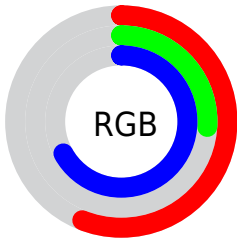
Format	Color
R _Y B	142, 66, 170
Decimal	9323178
CIE Lab	42.00, 48.84, -42.36
CIE LCh	42, 64.650, 319.059
Yxy	12.5000, 0.2816, 0.1735
Android (android.graphics.Color)	4287513258 (0xFF8E42AA)
YUV	100.5800, 34.2241, 36.3253
Hunter-Lab	35.3553, 40.5774, -41.1075

Details

The CIELCh color $42, 64.650, 319.059$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $63, 62.486, 133.501$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 64.789, 319.015$, and $22, 64.520, 318.994$ is the 20% darker color. If you saturate the color by 10%, you get $39, 73.277, 319.195$, and if you desaturate by 10%, it is $46, 54.865, 318.787$.

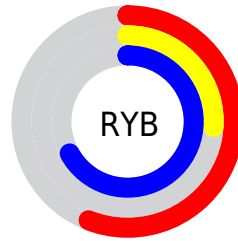
Distribution



Red (56%)

Green (26%)

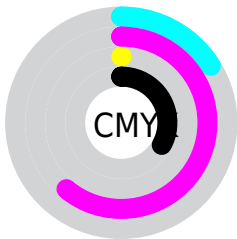
Blue (67%)



Red (56%)

Yellow (26%)

Blue (67%)

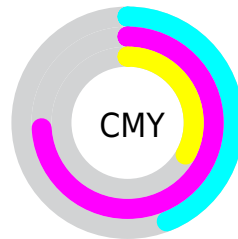


Cyan (16%)

Magenta (61%)

Yellow (0%)

Black (33%)



Cyan (44%)


Magenta (74%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 64.650, 319.059 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, 64.650, 319.059 by changing the saturation by 10% instead.


 42, 64.650,
319.059


 42, 64.650,
319.059


 100, 64.650,
319.059


 32, 64.650,
319.059

 62, 64.650,
319.059


 22, 64.650,
319.059

 72, 64.650,
319.059

 12, 64.650,
319.059

 82, 64.650,
319.059

 2, 64.650, 319.059

 92, 64.650,
319.059

 0, 64.650, 319.059

 42, 64.650,

 42, 64.650,

319.059

■ 39, 73.277,
319.195

■ 36, 80.224,
319.139

■ 34, 85.032,
318.836

■ 32, 87.785,
318.407

319.059

■ 46, 54.865,
318.787

■ 50, 44.394,
318.428

■ 55, 33.592,
318.019

■ 59, 22.711,
317.588

■ 64, 11.917,
317.152

■ 69, 1.311, 316.622

■ 74, 9.049, 136.372

■ 79, 19.133,
135.992

■ 84, 28.928,
135.648

Harmonies

Complementary

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



42, 64.650, 319.059



63, 62.486, 133.501

Rectangle

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



42, 64.650, 319.059



42, 64.650, 9.059



42, 64.650, 139.059



42, 64.650, 189.059

Sweetspot

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



42, 64.649, 319.059



78, 23.866, 317.461



42, 45.215, 286.596



40, 16.754, 317.585



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



42, 64.649, 319.059



49, 92.321, 319.201



45, 57.447, 335.345



33, 5.944, 317.066



28, 79.275, 318.505



1, 10.547, 314.415

Inverse Universe

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



43, 45.557, 7.457



52, 65.820, 11.549



62, 58.131, 145.201



33, 3.961, 358.929



30, 58.951, 22.726



1, 6.964, 0.856

Previews

White Background



This preview shows how the CIELCh color 42, 64.650, 319.059 looks on a white background.

Color Contrast Check

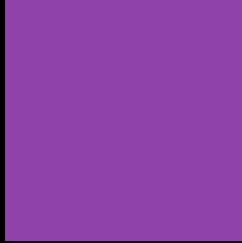
Large Text (above 18pt) WCAG AA ✓ Pass

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, 64.650, 319.059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

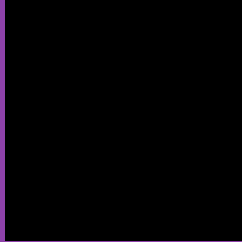
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 64.650, 319.059

Background



This preview shows how black text looks on a background with the CIELCh color 42, 64.650, 319.059.

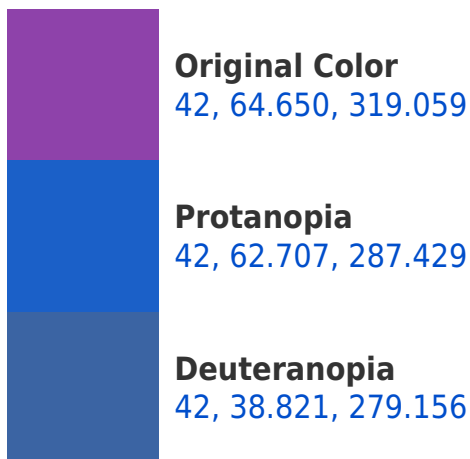


This preview shows how white text looks on a background with the CIELCh color 42, 64.650, 319.059.

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
42, 19.561, 10.045

Trichromacy



Original Color
42, 64.650, 319.059

Protanomaly
40, 62.795, 295.294

Deuteranomaly
41, 46.646, 296.997

Tritanomaly
41, 33.444, 334.413

Monochromacy



Original Color
42, 64.650, 319.059

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 24.744, 317.884

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 64.650, 319.059 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(142, 66, 170)` looks like.

```
.text, #text, p{  
    color:rgb(142, 66, 170)  
}
```

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(142, 66, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 66, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 64.650, 319.059 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(142, 66, 170) }
```

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

```
.border{ border-color:rgb(142, 66, 170) }
```

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

Here you see how a box with a 4 pixel rgb(142, 66, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 66, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 66, 170);  
box-shadow:4px 4px 4px 4px rgb(142, 66,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 64.650, 319.059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 66, 170) }
```

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

```
.background{ background-color: rgb(142, 66,  
170) }
```

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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