

Converting Colors

CIELCh(42, 70.064, 321.296)

Have a look what the booklet for
CIELCh(42, 70.064, 321.296)
contains.

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Color

CIELCh(42, 70.129, 321.524)

Conversions

Conversions Part 1

Format	Color
Hex	963AAC
RGB	150, 58, 172
RGB Percent	59%, 23%, 67%
CMY	0.4116, 0.7723, 0.3253
CMYK	0.13, 0.66, 0.00, 0.33
HSL	288°, 50%, 45%
HSV	288°, 66%, 67%
XYZ	21.5530, 12.5000, 40.3307
YIQ	98.5040, 18.2380, 54.9580

Conversions

Conversions Part 2

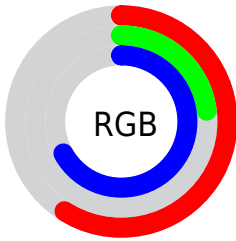
Format	Color
R_{YB}	150, 58, 172
Decimal	9845420
CIE _{Lab}	42.00, 54.90, -43.63
CIE _{LCh}	42, 70.129, 321.524
Yxy	12.5000, 0.2898, 0.1680
Android (android.graphics.Color)	4288035500 (0xFF963AAC)
YUV	98.5040, 36.2335, 45.1620
Hunter-Lab	35.3553, 46.9439, -42.8848

Details

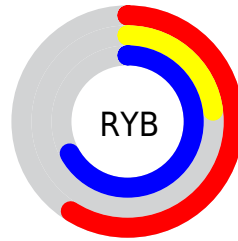
The CIELCh color $42, 70.129, 321.524$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $63, 68.936, 135.078$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 70.002, 321.548$, and $23, 66.984, 320.912$ is the 20% darker color. If you saturate the color by 10%, you get $39, 77.684, 321.591$, and if you desaturate by 10%, it is $45, 61.021, 321.309$.

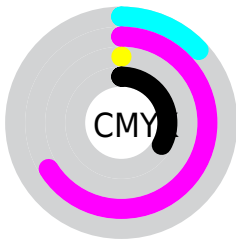
Distribution



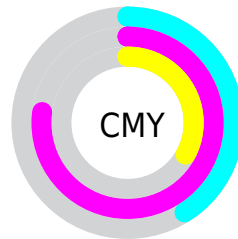
- Red (59%)
- Green (23%)
- Blue (67%)



- Red (59%)
- Yellow (23%)
- Blue (67%)



- Cyan (13%)
- Magenta (66%)
- Yellow (0%)
- Black (33%)





- Cyan (41%)
- Magenta (77%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 70.129, 321.524 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, 70.129, 321.524 by changing the saturation by 10% instead.


 42, 70.129,
321.524


 42, 70.129,
321.524


 100, 70.129,
321.524


 32, 70.129,
321.524

 62, 70.129,
321.524


 22, 70.129,
321.524

 72, 70.129,
321.524

 12, 70.129,
321.524

 82, 70.129,
321.524

 2, 70.129, 321.524

 92, 70.129,
321.524

 0, 70.129, 321.524

 42, 70.129,

 42, 70.129,

321.524

■ 39, 77.684,
321.591

■ 37, 83.233,
321.469

■ 35, 86.575,
321.132

■ 35, 87.588,
320.987

321.524

■ 45, 61.021,
321.309

■ 49, 50.857,
320.989

■ 54, 40.069,
320.600

■ 58, 28.988,
320.171

■ 63, 17.851,
319.725

■ 67, 6.816, 319.266

■ 72, 4.018, 138.910

■ 77, 14.595,
138.466

■ 82, 24.886,
138.075

Harmonies

Complementary

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



42, 70.129, 321.524



63, 68.936, 135.078

Rectangle

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



42, 70.129, 321.524



42, 70.129, 11.524



42, 70.129, 141.524



42, 70.129, 191.524

Sweetspot

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



42, 70.127, 321.524



78, 27.328, 319.909



37, 55.921, 292.782



39, 18.648, 320.030



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, 70.127, 321.524



50, 98.559, 321.554



44, 58.332, 339.767



34, 6.221, 319.409



30, 79.332, 321.060



2, 12.787, 316.867

Inverse Universe

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



42, 49.765, 14.883



50, 72.755, 20.612



63, 58.940, 147.319



34, 3.938, 4.571



31, 62.457, 29.017



2, 8.027, 6.549

Previews

White Background



This preview shows how the CIELCh color 42, 70.129, 321.524 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, 70.129, 321.524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

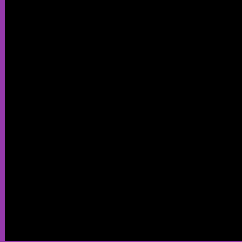
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 70.129, 321.524

Background



This preview shows how black text looks on a background with the CIELCh color 42, 70.129, 321.524.

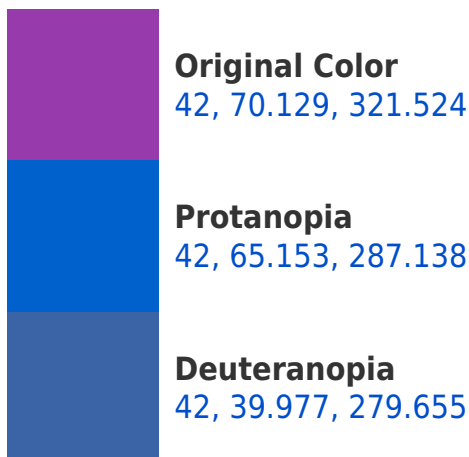


This preview shows how white text looks on a background with the CIELCh color 42, 70.129, 321.524.

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, 24.491, 14.828

Trichromacy



Original Color
42, 70.129, 321.524

Protanomaly
39, 66.723, 294.537

Deuteranomaly
40, 50.382, 299.069

Tritanomaly
42, 37.148, 339.639

Monochromacy



Original Color
42, 70.129, 321.524

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 28.578, 320.516

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 70.129, 321.524 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(150, 58, 172)` looks like.

```
.text, #text, p{  
    color:rgb(150, 58, 172)  
}
```

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(150, 58, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 58, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 70.129, 321.524 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(150, 58, 172) }
```

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

```
.border{ border-color:rgb(150, 58, 172) }
```

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

Here you see how a box with a 4 pixel rgb(150, 58, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 58, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 58, 172);  
box-shadow:4px 4px 4px 4px rgb(150, 58,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 70.129, 321.524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 58, 172) }
```

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

```
.background{ background-color: rgb(150, 58,  
172) }
```

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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