

Converting Colors

CIELCh(42, 75.238, 320.299)

Have a look what the booklet for
CIELCh(42, 75.238, 320.299)
contains.

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Color

CIELCh(42, 75.300, 320.093)

Conversions

Conversions Part 1

Format	Color
Hex	9637B4
RGB	150, 55, 180
RGB Percent	59%, 22%, 71%
CMY	0.4120, 0.7845, 0.2943
CMYK	0.17, 0.69, 0.00, 0.29
HSL	286°, 53%, 46%
HSV	286°, 69%, 71%
XYZ	22.1652, 12.5000, 44.3982
YIQ	97.6550, 16.4950, 59.0150

Conversions

Conversions Part 2

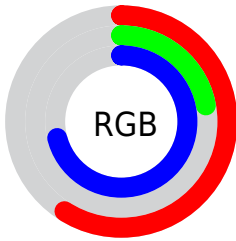
Format	Color
R _Y B	150, 55, 180
Decimal	9844660
CIE Lab	42.00, 57.76, -48.31
CIE LCh	42, 75.300, 320.093
Yxy	12.5000, 0.2803, 0.1581
Android (android.graphics.Color)	4288034740 (0xFF9637B4)
YUV	97.6550, 40.5961, 45.9066
Hunter-Lab	35.3553, 50.0346, -49.7060

Details

The CIELCh color **42, 75.300, 320.093** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **66, 73.263, 133.852**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 75.230, 319.923**, and **23, 70.262, 319.388** is the 20% darker color. If you saturate the color by 10%, you get **39, 82.713, 320.075**, and if you desaturate by 10%, it is **46, 66.156, 319.933**.

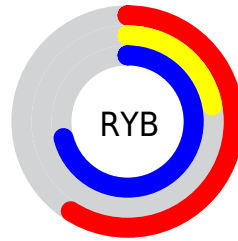
Distribution



Red (59%)

Green (22%)

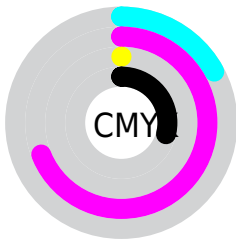
Blue (71%)



Red (59%)

Yellow (22%)

Blue (71%)

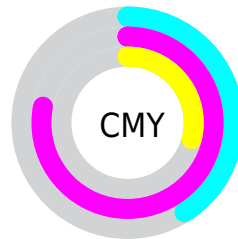


Cyan (17%)

Magenta (69%)

Yellow (0%)

Black (29%)



Cyan (41%)


Magenta (78%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 75.300, 320.093 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, 75.300, 320.093 by changing the saturation by 10% instead.


 42, 75.300,
320.093


 42, 75.300,
320.093


 100, 75.300,
320.093


 32, 75.300,
320.093

 62, 75.300,
320.093


 22, 75.300,
320.093

 72, 75.300,
320.093

 12, 75.300,
320.093

 82, 75.300,
320.093

 2, 75.300, 320.093

 92, 75.300,
320.093

 0, 75.300, 320.093

 42, 75.300,

 42, 75.300,

320.093

■ 39, 82.713,
320.075

■ 37, 87.923,
319.830

■ 35, 91.054,
319.366

■ 35, 91.212,
319.342

320.093

■ 46, 66.156,
319.933

■ 50, 55.825,
319.647

■ 54, 44.785,
319.278


■ 59, 33.406,
318.864

■ 64, 21.947,
318.428

■ 69, 10.581,
317.985

■ 74, 0.586, 137.892

■ 79, 11.491,
137.195

 84, 22.103,
136.811

Harmonies

Complementary

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



42, 75.300, 320.093



66, 73.263, 133.852

Rectangle

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



42, 75.300, 320.093



42, 75.300, 10.093



42, 75.300, 140.093



42, 75.300, 190.093

Sweetspot

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



42, 75.299, 320.093



80, 29.415, 318.511



39, 57.078, 291.104



41, 19.927, 318.630



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



42, 75.299, 320.093



50, 104.395, 319.985



45, 64.459, 337.623



35, 6.290, 317.978



29, 80.885, 319.444



2, 14.728, 314.703

Inverse Universe

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



43, 53.541, 12.305



52, 76.211, 18.268



65, 66.014, 145.021



35, 4.106, 1.058



32, 61.479, 25.390



2, 9.515, 4.371

Previews

White Background



This preview shows how the CIELCh color 42, 75.300, 320.093 looks on a white background.

Color Contrast Check

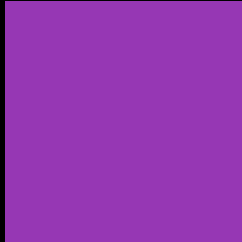
Large Text (above 18pt) WCAG AA ✓ Pass

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, 75.300, 320.093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

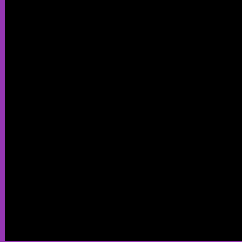
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 75.300, 320.093

Background



This preview shows how black text looks on a background with the CIELCh color 42, 75.300, 320.093.

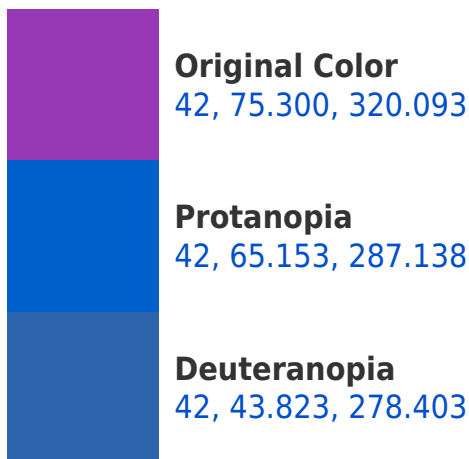


This preview shows how white text looks on a background with the CIELCh color 42, 75.300, 320.093.

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, 23.606, 12.920

Trichromacy



Original Color
42, 75.300, 320.093

Protanomaly
39, 69.080, 295.230

Deuteranomaly
40, 55.164, 297.492

Tritanomaly
41, 39.258, 336.810

Monochromacy



Original Color
42, 75.300, 320.093

Achromatopsia
42, 0.006, 296.813

Achromatomaly
40, 30.890, 319.121

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 75.300, 320.093 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, 55, 180)` looks like.

```
.text, #text, p{  
    color:rgb(150, 55, 180)  
}
```

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, 55, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 55, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 75.300, 320.093 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, 55, 180) }
```

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

```
.border{ border-color:rgb(150, 55, 180) }
```

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

Here you see how a box with a 4 pixel rgb(150, 55, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 55, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 55, 180);  
box-shadow:4px 4px 4px 4px rgb(150, 55,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 75.300, 320.093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 55, 180) }
```

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

```
.background{ background-color: rgb(150, 55,  
180) }
```

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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