

Converting Colors

CIELCh(42, 64.942, 320.573)

Have a look what the booklet for
CIELCh(42, 64.942, 320.573)
contains.

CIELCh(42, 64.923, 320.566)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 64.923, 320.566)

Conversions

Conversions Part 1

Format	Color
Hex	9140A8
RGB	145, 64, 168
RGB Percent	57%, 25%, 66%
CMY	0.4316, 0.7492, 0.3414
CMYK	0.14, 0.62, 0.00, 0.34
HSL	287°, 45%, 45%
HSV	287°, 62%, 66%
XYZ	20.5597, 12.5000, 38.3467
YIQ	100.0750, 14.8920, 49.5160

Conversions

Conversions Part 2

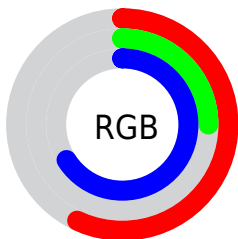
Format	Color
R _{YB}	145, 64, 168
Decimal	9519272
CIE Lab	42.00, 50.14, -41.24
CIE LCh	42, 64.923, 320.566
Yxy	12.5000, 0.2879, 0.1751
Android (android.graphics.Color)	4287709352 (0xFF9140A8)
YUV	100.0750, 33.4870, 39.3992
Hunter-Lab	35.3553, 41.9286, -39.5577

Details

The CIELCh color **42, 64.923, 320.566** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **62, 63.399, 134.677**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 65.312, 320.468**, and **22, 64.899, 320.612** is the 20% darker color. If you saturate the color by 10%, you get **39, 73.183, 320.695**, and if you desaturate by 10%, it is **46, 55.405, 320.304**.

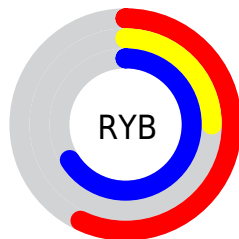
Distribution



Red (57%)

Green (25%)

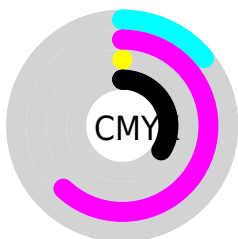
Blue (66%)



Red (57%)

Yellow (25%)

Blue (66%)

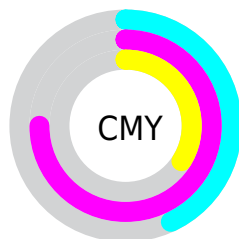


Cyan (14%)

Magenta (62%)

Yellow (0%)

Black (34%)



Cyan (43%)


Magenta (75%)


Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 64.923, 320.566 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, 64.923, 320.566 by changing the saturation by 10% instead.


 42, 64.923,
320.566

 42, 64.923,
320.566


 100, 64.923,
320.566

 32, 64.923,
320.566

 62, 64.923,
320.566

 22, 64.923,
320.566

 72, 64.923,
320.566

 12, 64.923,
320.566


 82, 64.923,
320.566

 2, 64.923, 320.566

 92, 64.923,
320.566

 0, 64.923, 320.566

 42, 64.923,

 42, 64.923,

320.566

39, 73.183,
320.695

36, 79.695,
320.644

34, 84.067,
320.368

33, 86.392,
320.023

320.566

46, 55.405,
320.304

50, 45.100,
319.952

54, 34.379,
319.547

59, 23.516,
319.114

63, 12.695,
318.671

68, 2.033, 318.170

73, 8.397, 137.867

78, 18.560,
137.468

■ 82, 28.436,
137.103

Harmonies

Complementary

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



42, 64.923, 320.566



62, 63.399, 134.677

Rectangle

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



42, 64.923, 320.566



42, 64.923, 10.566



42, 64.923, 140.566



42, 64.923, 190.566

Sweetspot

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



42, 64.922, 320.566



76, 25.280, 319.001



39, 48.623, 289.767



39, 17.403, 319.122



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



42, 64.922, 320.566



50, 92.286, 320.701



44, 55.584, 337.666



33, 6.022, 318.553



29, 78.664, 320.101



1, 10.705, 316.167

Inverse Universe

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



42, 45.612, 11.358



50, 66.453, 15.797



62, 56.019, 146.802



33, 3.881, 2.445



30, 60.565, 26.743



1, 6.843, 3.987

Previews

White Background



This preview shows how the CIELCh color 42, 64.923, 320.566 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, 64.923, 320.566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

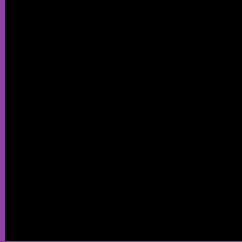
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 64.923, 320.566

Background



This preview shows how black text looks on a background with the CIELCh color 42, 64.923, 320.566.

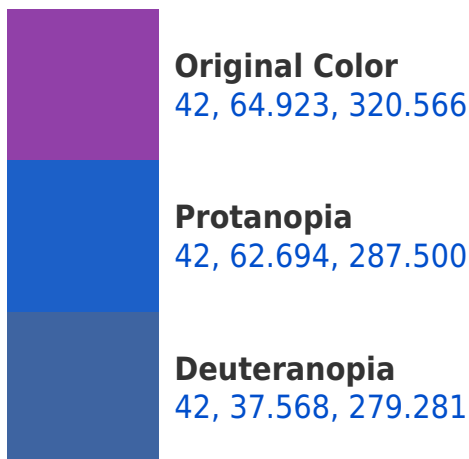


This preview shows how white text looks on a background with the CIELCh color 42, 64.923, 320.566.

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, 21.316, 12.997

Trichromacy



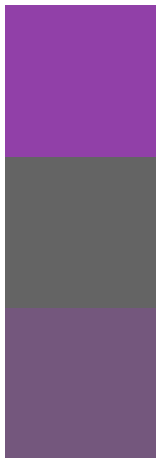
Original Color
42, 64.923, 320.566

Protanomaly
40, 62.838, 295.917

Deuteranomaly
41, 46.718, 298.448

Tritanomaly
42, 34.020, 337.468

Monochromacy



Original Color
42, 64.923, 320.566

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 25.611, 318.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 64.923, 320.566 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(145, 64, 168)` looks like.

```
.text, #text, p{  
    color:rgb(145, 64, 168)  
}
```

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(145, 64, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 64, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 64.923, 320.566 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(145, 64, 168) }
```

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

```
.border{ border-color:rgb(145, 64, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 64, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 64, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 64, 168);  
box-shadow:4px 4px 4px 4px rgb(145, 64,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 64.923, 320.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 64, 168) }
```

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

```
.background{ background-color: rgb(145, 64,  
168) }
```

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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