

Converting Colors

CIELCh(42, 64.598, 336.917)

Have a look what the booklet for
CIELCh(42, 64.598, 336.917)
contains.

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Color

CIELCh(42, 64.570, 336.754)

Conversions

Conversions Part 1

Format	Color
Hex	AA2E8E
RGB	170, 46, 142
RGB Percent	67%, 18%, 56%
CMY	0.3325, 0.8187, 0.4424
CMYK	0.00, 0.73, 0.16, 0.33
HSL	314°, 57%, 42%
HSV	314°, 73%, 67%
XYZ	22.5054, 12.5000, 26.8930
YIQ	94.0200, 43.0880, 56.1440

Conversions

Conversions Part 2

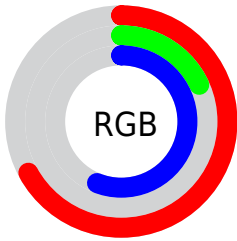
Format	Color
R_{YB}	170, 46, 142
Decimal	11153038
CIE _{Lab}	42.00, 59.33, -25.48
CIE _{LCh}	42, 64.570, 336.754
Yxy	12.5000, 0.3636, 0.2019
Android (android.graphics.Color)	4289343118 (0xFFAA2E8E)
YUV	94.0200, 23.6541, 66.6345
Hunter-Lab	35.3553, 51.7521, -20.3502

Details

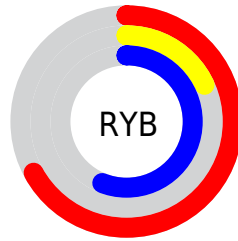
The CIELCh color **42, 64.570, 336.754** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **62, 66.725, 143.746**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 64.778, 336.637**, and **25, 54.908, 337.750** is the 20% darker color. If you saturate the color by 10%, you get **40, 68.886, 337.721**, and if you desaturate by 10%, it is **45, 58.346, 335.885**.

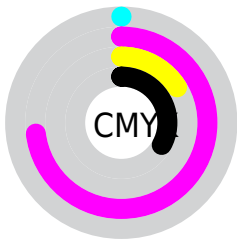
Distribution



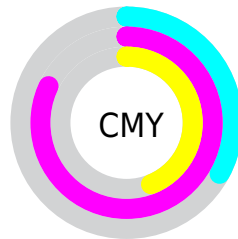
- Red (67%)
- Green (18%)
- Blue (56%)



- Red (67%)
- Yellow (18%)
- Blue (56%)



- Cyan (0%)
- Magenta (73%)
- Yellow (16%)
- Black (33%)





- Cyan (33%)
- Magenta (82%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 64.570, 336.754 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, 64.570, 336.754 by changing the saturation by 10% instead.


 42, 64.570,
336.754

 42, 64.570,
336.754


 100, 64.570,
336.754

 32, 64.570,
336.754

 62, 64.570,
336.754


 22, 64.570,
336.754

 72, 64.570,
336.754

 12, 64.570,
336.754


 82, 64.570,
336.754

 2, 64.570, 336.754

 92, 64.570,
336.754

 0, 64.570, 336.754

 42, 64.570,

 42, 64.570,

336.754

336.754

■ 40, 68.886,
337.721

■ 45, 58.346,
335.885

■ 39, 71.099,
338.827

■ 48, 50.608,
335.083

■ 38, 71.793,
339.695

■ 51, 41.797,
334.326

■ 55, 32.321,
333.604

■ 59, 22.509,
332.911

■ 64, 12.602,
332.240

■ 68, 2.767, 331.528

■ 73, 6.893, 151.067

■ 78, 16.316,
150.468

Harmonies

Complementary

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



42, 64.570, 336.754



62, 66.725, 143.746

Rectangle

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



42, 64.570, 336.754



42, 64.570, 26.754



42, 64.570, 156.754



42, 64.570, 206.754

Sweetspot

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



42, 64.567, 336.754



76, 26.901, 332.881



30, 76.624, 305.781



39, 18.225, 333.060



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, 64.567, 336.754



51, 85.804, 338.335



40, 53.101, 9.887



33, 5.493, 332.003



33, 64.870, 339.532



2, 9.498, 333.956

Inverse Universe

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



42, 64.567, 336.754



51, 85.804, 338.335



63, 42.808, 168.492



33, 5.493, 332.003



33, 64.870, 339.532



2, 9.498, 333.956

Previews

White Background



This preview shows how the CIELCh color 42, 64.570, 336.754 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 CIE LCh color 42, 64.570, 336.754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

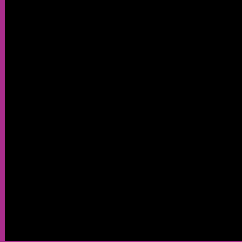
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 42, 64.570, 336.754

Background



This preview shows how black text looks on a background with the CIELCh color 42, 64.570, 336.754.

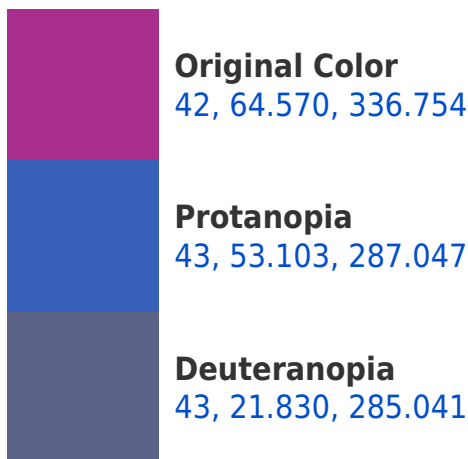


This preview shows how white text looks on a background with the CIELCh color 42, 64.570, 336.754.

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, 43.651, 23.173

Trichromacy



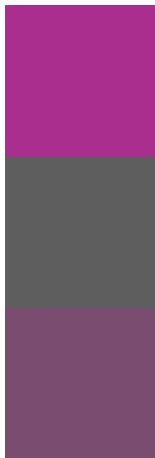
Original Color
42, 64.570, 336.754

Protanomaly
40, 54.956, 303.349

Deuteranomaly
40, 37.820, 316.597

Tritanomaly
42, 47.018, 1.293

Monochromacy



Original Color
42, 64.570, 336.754

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 27.676, 333.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 64.570, 336.754 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(170, 46, 142)` looks like.

```
.text, #text, p{  
    color:rgb(170, 46, 142)  
}
```

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(170, 46, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 46, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 64.570, 336.754 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(170, 46, 142) }
```

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

```
.border{ border-color:rgb(170, 46, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 46, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 46, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 46, 142);  
box-shadow:4px 4px 4px 4px rgb(170, 46,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 64.570, 336.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 46, 142) }
```

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

```
.background{ background-color: rgb(170, 46,  
142) }
```

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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