

Converting Colors

CIELCh(42, 66.332, 348.459)

Have a look what the booklet for
CIELCh(42, 66.332, 348.459)
contains.

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Color

CIELCh(42, 66.459, 348.281)

Conversions

Conversions Part 1

Format	Color
Hex	B81D7B
RGB	184, 29, 123
RGB Percent	72%, 11%, 48%
CMY	0.2784, 0.8862, 0.5176
CMYK	0.00, 0.84, 0.33, 0.28
HSL	324°, 73%, 42%
HSV	324°, 84%, 72%
XYZ	23.7829, 12.5000, 19.8995
YIQ	86.0610, 62.2060, 62.0940

Conversions

Conversions Part 2

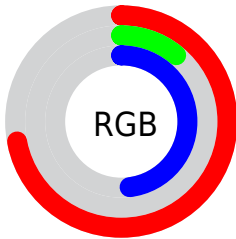
Format	Color
R_{YB}	184, 29, 123
Decimal	12066171
CIE _{Lab}	42.00, 65.07, -13.50
CIE _{LCh}	42, 66.459, 348.281
Yxy	12.5000, 0.4233, 0.2225
Android (android.graphics.Color)	4290256251 (0xFFB81D7B)
YUV	86.0610, 18.2109, 85.8925
Hunter-Lab	35.3553, 58.2019, -8.6222

Details

The CIELCh color **42, 66.459, 348.281** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **66, 69.161, 147.672**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.668, 348.044**, and **27, 51.843, 352.858** is the 20% darker color. If you saturate the color by 10%, you get **41, 68.177, 350.744**, and if you desaturate by 10%, it is **44, 62.631, 346.303**.

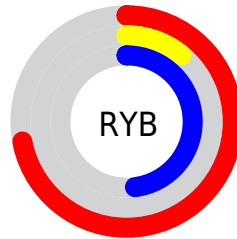
Distribution



Red (72%)

Green (11%)

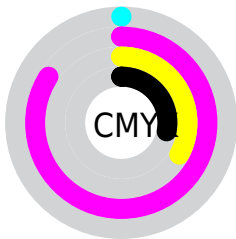
Blue (48%)



Red (72%)

Yellow (11%)

Blue (48%)

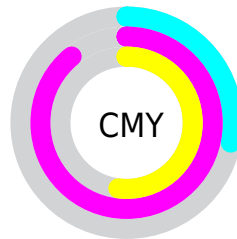


Cyan (0%)

Magenta (84%)

Yellow (33%)

Black (28%)



Cyan (28%)


Magenta (89%)


Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 66.459, 348.281 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, 66.459, 348.281 by changing the saturation by 10% instead.


 42, 66.459,
348.281


 42, 66.459,
348.281


 100, 66.459,
348.281


 32, 66.459,
348.281

 62, 66.459,
348.281


 22, 66.459,
348.281

 72, 66.459,
348.281

 12, 66.459,
348.281

 82, 66.459,
348.281

 2, 66.459, 348.281

 92, 66.459,
348.281

 0, 66.459, 348.281

 42, 66.459,

 42, 66.459,

348.281

■ 41, 68.177,
350.744

■ 40, 68.596,
352.336

348.281

■ 44, 62.631,
346.303

■ 47, 56.857,
344.689

■ 50, 49.530,
343.338

■ 54, 41.117,
342.177

■ 58, 32.051,
341.153

■ 63, 22.676,
340.231

■ 68, 13.238,
339.385

■ 73, 3.899, 338.554

Harmonies

Complementary

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



42, 66.459, 348.281



66, 69.161, 147.672

Rectangle

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



42, 66.459, 348.281



42, 66.459, 38.281



42, 66.459, 168.281



42, 66.459, 218.281

Sweetspot

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



42, 66.456, 348.282



80, 29.018, 340.337



30, 90.934, 309.853



40, 19.799, 340.651



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



42, 66.456, 348.282



52, 83.391, 352.901



40, 67.145, 27.838



36, 5.239, 338.988



34, 60.732, 351.908



3, 13.071, 344.644

Inverse Universe

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



42, 66.456, 348.282



52, 83.391, 352.901



67, 41.617, 182.154



36, 5.239, 338.988



34, 60.732, 351.908



3, 13.071, 344.644

Previews

White Background



This preview shows how the CIELCh color 42, 66.459, 348.281 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, 66.459, 348.281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

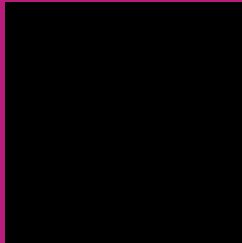
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 66.459, 348.281

Background



This preview shows how black text looks on a background with the CIELCh color 42, 66.459, 348.281.

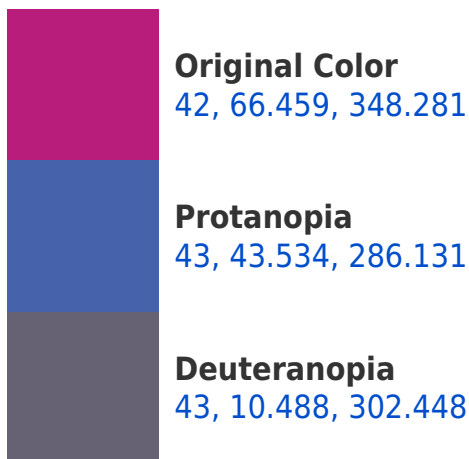


This preview shows how white text looks on a background with the CIELCh color 42, 66.459, 348.281.

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, 57.460, 28.582

Trichromacy



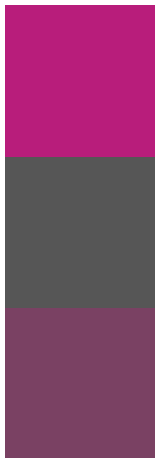
Original Color
42, 66.459, 348.281

Protanomaly
39, 50.166, 310.900

Deuteranomaly
40, 35.121, 334.852

Tritanomaly
42, 57.257, 12.349

Monochromacy



Original Color
42, 66.459, 348.281

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 30.822, 342.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 66.459, 348.281 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(184, 29, 123)` looks like.

```
.text, #text, p{  
  color:rgb(184, 29, 123)  
}
```

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(184, 29, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 29, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 66.459, 348.281 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(184, 29, 123) }
```

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

```
.border{ border-color:rgb(184, 29, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 29, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 29, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 29, 123);  
box-shadow:4px 4px 4px 4px rgb(184, 29,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 66.459, 348.281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 29, 123) }
```

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

```
.background{ background-color: rgb(184, 29,  
123) }
```

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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