

Converting Colors

CIELCh(48, 42.163, 341.642)

Have a look what the booklet for
CIELCh(48, 42.163, 341.642)
contains.

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Color

CIELCh(48, 42.281, 341.835)

Conversions

Conversions Part 1

Format	Color
Hex	A85689
RGB	168, 86, 137
RGB Percent	66%, 34%, 54%
CMY	0.3411, 0.6626, 0.4626
CMYK	0.00, 0.49, 0.18, 0.34
HSL	323°, 32%, 50%
HSV	323°, 49%, 66%
XYZ	24.0015, 16.7945, 25.6535
YIQ	116.3320, 32.5010, 33.2450

Conversions

Conversions Part 2

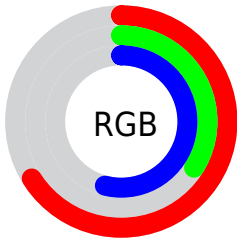
Format	Color
RYB	168, 86, 137
Decimal	11032201
CIELab	48.00, 40.17, -13.18
CIELCh	48, 42.281, 341.835
Yxy	16.7945, 0.3612, 0.2527
Android (android.graphics.Color)	4289222281 (0xFFA85689)
YUV	116.3320, 10.1893, 45.3128
Hunter-Lab	40.9810, 32.8257, -8.4279

Details

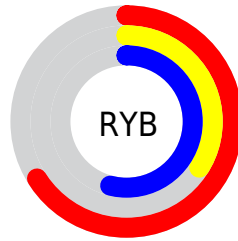
The CIELCh color $48, 42.281, 341.835$ is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be $63, 41.377, 152.943$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 42.301, 342.091$, and $28, 42.366, 342.049$ is the 20% darker color. If you saturate the color by 10%, you get $45, 49.771, 343.014$, and if you desaturate by 10%, it is $52, 34.009, 340.800$.

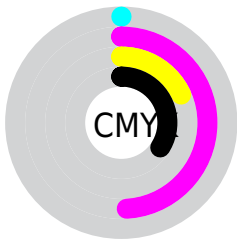
Distribution



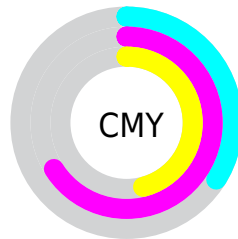
- Red (66%)
- Green (34%)
- Blue (54%)



- Red (66%)
- Yellow (34%)
- Blue (54%)



- Cyan (0%)
- Magenta (49%)
- Yellow (18%)
- Black (34%)




- Cyan (34%)
- Magenta (66%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 42.281, 341.835 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 48, 42.281, 341.835 by changing the saturation by 10% instead.

 48, 42.281,
341.835


 48, 42.281,
341.835


 100, 42.281,
341.835

 38, 42.281,
341.835

 68, 42.281,
341.835


 28, 42.281,
341.835

 78, 42.281,
341.835

 18, 42.281,
341.835

 88, 42.281,
341.835

 8, 42.281, 341.835

 98, 42.281,
341.835

 0, 42.281, 341.835

 48, 42.281,

 48, 42.281,

341.835

341.835

45, 49.771,
343.014

52, 34.009,
340.800

42, 56.066,
344.390

56, 25.318,
339.870

39, 60.744,
346.040

60, 16.470,
339.020

38, 63.510,
348.067

65, 7.651, 338.221

37, 64.578,
350.513

69, 1.024, 157.855

74, 9.486, 156.907

37, 64.688,
350.814

79, 17.700,
156.266

84, 25.653,
155.675

88, 33.347,

Harmonies

Complementary

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



48, 42.281, 341.835



63, 41.377, 152.943

Rectangle

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



48, 42.281, 341.835



48, 42.281, 31.835



48, 42.281, 161.835



48, 42.281, 211.835

Sweetspot

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



48, 42.279, 341.836



79, 16.283, 338.734



43, 50.101, 307.415



40, 11.107, 338.897



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



48, 42.279, 341.836



57, 61.777, 343.178



47, 35.919, 14.849



33, 4.928, 338.259



32, 59.016, 350.491



2, 8.435, 341.350

Inverse Universe

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



48, 42.279, 341.836



57, 61.777, 343.178



64, 27.833, 184.278



33, 4.928, 338.259



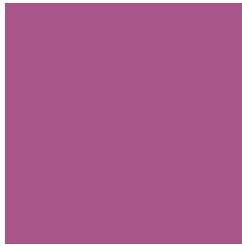
32, 59.016, 350.491



2, 8.435, 341.350

Previews

White Background



This preview shows how the CIELCh color 48, 42.281, 341.835 looks on a white background.

Color Contrast Check

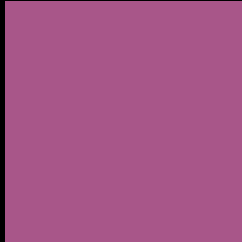
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 42.281, 341.835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

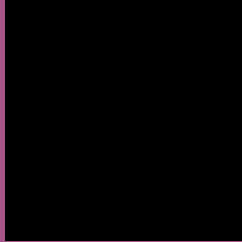
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 42.281, 341.835

Background



This preview shows how black text looks on a background with the CIELCh color 48, 42.281, 341.835.

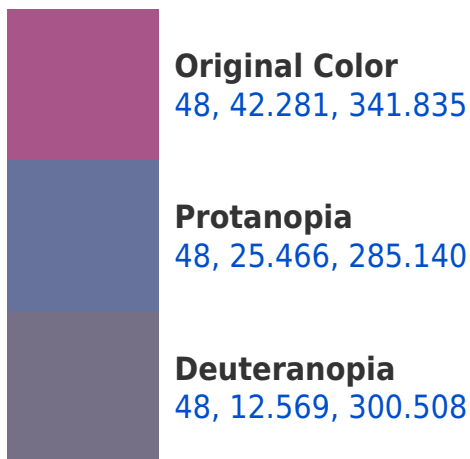


This preview shows how white text looks on a background with the CIELCh color 48, 42.281, 341.835.

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
48, 30.521, 16.159

Trichromacy



Original Color
48, 42.281, 341.835

Protanomaly
47, 28.577, 310.533

Deuteranomaly
48, 22.328, 327.428

Tritanomaly
48, 33.042, 0.746

Monochromacy



Original Color
48, 42.281, 341.835

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 16.434, 338.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 42.281, 341.835 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(168, 86, 137)` looks like.

```
.text, #text, p{  
    color:rgb(168, 86, 137)  
}
```

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(168, 86, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 86, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 42.281, 341.835 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(168, 86, 137) }
```

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

```
.border{ border-color:rgb(168, 86, 137) }
```

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

Here you see how a box with a 4 pixel rgb(168, 86, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 86, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 86, 137);  
box-shadow:4px 4px 4px 4px rgb(168, 86,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 42.281, 341.835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 86, 137) }
```

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

```
.background{ background-color: rgb(168, 86,  
137) }
```

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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