

Converting Colors

CIELCh(42, 58.341, 2.832)

Have a look what the booklet for
CIELCh(42, 58.341, 2.832) contains.

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Color

CIELCh(42, 58.270, 2.711)

Conversions

Conversions Part 1

Format	Color
Hex	B62B61
RGB	182, 43, 97
RGB Percent	71%, 17%, 38%
CMY	0.2869, 0.8321, 0.6201
CMYK	0.00, 0.76, 0.47, 0.29
HSL	337°, 62%, 44%
HSV	337°, 76%, 71%
XYZ	22.2611, 12.5000, 12.5158
YIQ	90.7170, 65.5100, 46.2620

Conversions

Conversions Part 2

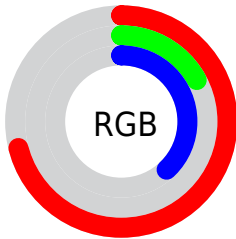
Format	Color
RYB	182, 43, 97
Decimal	11938657
CIELab	42.00, 58.20, 2.76
CIELCh	42, 58.270, 2.711
Yxy	12.5000, 0.4709, 0.2644
Android (android.graphics.Color)	4290128737 (0xFFB62B61)
YUV	90.7170, 3.0975, 80.0552
Hunter-Lab	35.3553, 50.5187, 3.7601

Details

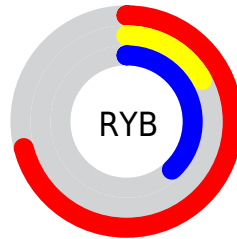
The CIELCh color **42, 58.270, 2.711** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **66, 51.905, 160.440**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 57.925, 2.960**, and **25, 49.236, 8.300** is the 20% darker color. If you saturate the color by 10%, you get **40, 62.378, 6.410**, and if you desaturate by 10%, it is **45, 52.641, 359.793**.

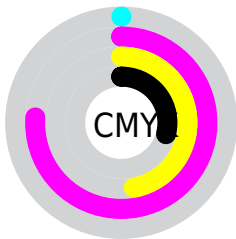
Distribution



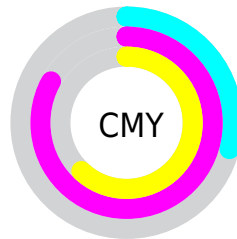
- Red (71%)
- Green (17%)
- Blue (38%)



- Red (71%)
- Yellow (17%)
- Blue (38%)



- Cyan (0%)
- Magenta (76%)
- Yellow (47%)
- Black (29%)



- Cyan (29%)
- Magenta (83%)
- Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 58.270, 2.711 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, 58.270, 2.711 by changing the saturation by 10% instead.

 42, 58.270, 2.711  42, 58.270, 2.711

 100, 58.270, 2.711  32, 58.270, 2.711

 62, 58.270, 2.711  22, 58.270, 2.711



 72, 58.270, 2.711  12, 58.270, 2.711

 82, 58.270, 2.711  2, 58.270, 2.711

 92, 58.270, 2.711  0, 58.270, 2.711

 42, 58.270, 2.711  42, 58.270, 2.711

 40, 62.378, 6.410  45, 52.641,
359.793

 39, 65.042, 10.994  48, 45.770,
357.477

 39, 65.925, 12.693 

52, 38.047,
355.608

56, 29.858,
354.067

61, 21.507,
352.764

66, 13.209,
351.634

71, 5.099, 350.605

76, 2.750, 169.968

81, 10.303,
169.075

Harmonies

Complementary

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



42, 58.270, 2.711



66, 51.905, 160.440

Rectangle

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



42, 58.270, 2.711



42, 58.270, 52.711



42, 58.270, 182.711



42, 58.270, 232.711

Sweetspot

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



42, 58.267, 2.712



80, 23.131, 352.402



37, 81.972, 315.296



41, 16.203, 352.830



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, 58.267, 2.712



51, 78.558, 9.592



43, 61.762, 36.505



36, 4.536, 350.902



33, 58.661, 11.986



2, 11.569, 357.023

Inverse Universe

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



42, 58.267, 2.712



51, 78.558, 9.592



63, 32.714, 210.799



36, 4.536, 350.902



33, 58.661, 11.986



2, 11.569, 357.023

Previews

White Background



This preview shows how the CIELCh color 42, 58.270, 2.711 looks on a white background.

Color Contrast Check

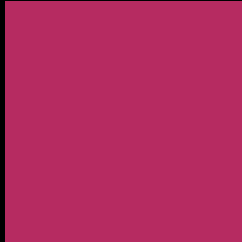
Large Text (above 18pt) WCAG AA ✓ Pass

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, 58.270, 2.711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

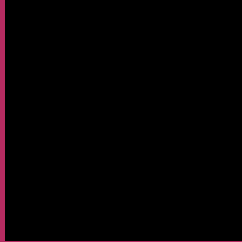
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 42, 58.270, 2.711

Background



This preview shows how black text looks on a background with the CIELCh color 42, 58.270, 2.711.

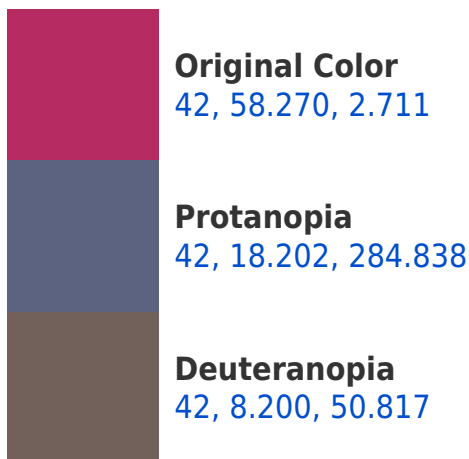


This preview shows how white text looks on a background with the CIELCh color 42, 58.270, 2.711.

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, 58.110, 29.190

Trichromacy



Original Color
42, 58.270, 2.711

Protanomaly
40, 29.114, 331.854

Deuteranomaly
40, 27.687, 5.272

Tritanomaly
42, 56.761, 19.616

Monochromacy



Original Color
42, 58.270, 2.711

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 24.702, 354.326

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 58.270, 2.711 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(182, 43, 97)` looks like.

```
.text, #text, p{  
    color:rgb(182, 43, 97)  
}
```

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(182, 43, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 43, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 58.270, 2.711 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(182, 43, 97) }
```

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

```
.border{ border-color:rgb(182, 43, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 43, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 43, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 43, 97);  
box-shadow:4px 4px 4px 4px rgb(182, 43,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 58.270, 2.711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 43, 97) }
```

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

```
.background{ background-color: rgb(182, 43,  
97) }
```

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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