

Converting Colors

CIELCh(52, 62.050, 303.925)

Have a look what the booklet for
CIELCh(52, 62.050, 303.925)
contains.

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Color

CIELCh(52, 61.787, 303.730)

Conversions

Conversions Part 1

Format	Color
Hex	846BD5
RGB	132, 107, 213
RGB Percent	52%, 42%, 84%
CMY	0.4833, 0.5813, 0.1657
CMYK	0.38, 0.50, 0.00, 0.17
HSL	254°, 56%, 63%
HSV	254°, 50%, 83%
XYZ	26.6879, 20.1443, 65.2611
YIQ	126.5590, -19.1260, 38.2660

Conversions

Conversions Part 2

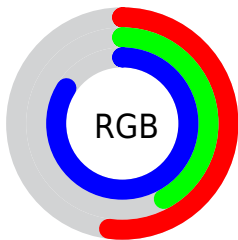
Format	Color
RYB	132, 107, 213
Decimal	8678357
CIELab	52.00, 34.31, -51.39
CIElCh	52, 61.787, 303.730
Yxy	20.1443, 0.2381, 0.1797
Android (android.graphics.Color)	4286868437 (0xFF846BD5)
YUV	126.5590, 42.6154, 4.7718
Hunter-Lab	44.8824, 27.5950, -54.7926

Details

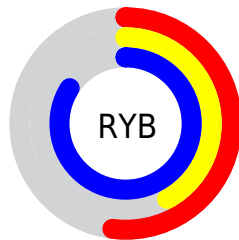
The CIELCh color **52, 61.787, 303.730** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **81, 54.817, 116.249**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 53.313, 304.585**, and **32, 61.891, 303.751** is the 20% darker color. If you saturate the color by 10%, you get **46, 75.075, 304.864**, and if you desaturate by 10%, it is **59, 48.603, 302.650**.

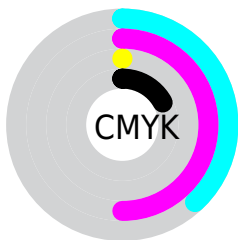
Distribution



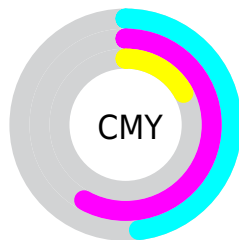
- Red (52%)
- Green (42%)
- Blue (84%)



- Red (52%)
- Yellow (42%)
- Blue (84%)



- Cyan (38%)
- Magenta (50%)
- Yellow (0%)
- Black (17%)





- Cyan (48%)
- Magenta (58%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 61.787, 303.730 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 52, 61.787, 303.730 by changing the saturation by 10% instead.


 52, 61.787,
303.730


 52, 61.787,
303.730


 100, 61.787,
303.730


 42, 61.787,
303.730


 72, 61.787,
303.730

 32, 61.787,
303.730

 82, 61.787,
303.730

 22, 61.787,
303.730

 92, 61.787,
303.730

 12, 61.787,
303.730

 2, 61.787, 303.730

 0, 61.787, 303.730

■ 52, 61.787,
303.730

■ 52, 61.787,
303.730

■ 46, 75.075,
304.864

■ 59, 48.603,
302.650

■ 40, 87.989,
305.967

■ 65, 35.752,
301.665

■ 35, 99.646,
306.891

■ 72, 23.322,
300.787

■ 31, 108.728,
307.433

■ 79, 11.339,
300.017

■ 28, 114.432,
307.514

■ 85, 0.205, 119.478

■ 28, 114.531,
307.517

■ 92, 11.327,
118.777

■ 98, 21.673,
117.788

■ 99, 21.351,
108.561

Harmonies

Complementary

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



52, 61.787, 303.730



81, 54.817, 116.249

Rectangle

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



52, 61.787, 303.730



52, 61.787, 353.730



52, 61.787, 123.730



52, 61.787, 173.730

Sweetspot

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



52, 61.786, 303.730



88, 20.279, 300.416



72, 27.100, 227.887



45, 13.890, 300.583



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 61.786, 303.730



54, 87.299, 304.957



58, 64.132, 318.847



41, 6.592, 299.990



22, 97.107, 307.632



2, 27.916, 299.880

Inverse Universe

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



60, 57.133, 335.315



66, 77.255, 336.212



78, 62.229, 134.139



42, 6.659, 332.382



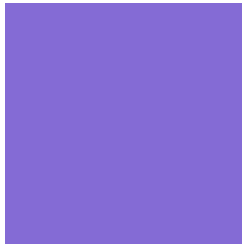
38, 71.492, 340.322



6, 27.710, 337.625

Previews

White Background



This preview shows how the CIELCh color 52, 61.787, 303.730 looks on a white background.

Color Contrast Check

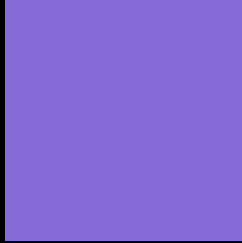
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 52, 61.787, 303.730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

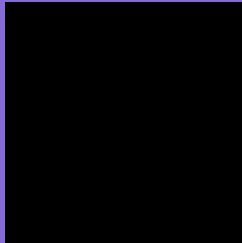
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 61.787, 303.730

Background



This preview shows how black text looks on a background with the CIELCh color 52, 61.787, 303.730.



This preview shows how white text looks on a background with the CIELCh color 52, 61.787, 303.730.

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
52, 7.054, 254.843

Trichromacy



Original Color
52, 61.787, 303.730

Protanomaly
52, 61.391, 292.226

Deuteranomaly
52, 53.515, 288.485

Tritanomaly
51, 26.265, 294.919

Monochromacy



Original Color
52, 61.787, 303.730

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 22.984, 300.985

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 61.787, 303.730 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(132, 107, 213)` looks like.

```
.text, #text, p{  
    color:rgb(132, 107, 213)  
}
```

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(132, 107, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 107, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 61.787, 303.730 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(132, 107, 213) }
```

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

```
.border{ border-color:rgb(132, 107, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 107, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 107, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 107, 213);  
box-shadow:4px 4px 4px 4px rgb(132, 107,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 61.787, 303.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 107, 213) }
```

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

```
.background{ background-color: rgb(132,  
107, 213) }
```

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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