

Converting Colors

CIELCh(52, 69.831, 321.610)

Have a look what the booklet for
CIELCh(52, 69.831, 321.610)
contains.

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Color

CIELCh(52, 69.797, 321.625)

Conversions

Conversions Part 1

Format	Color
Hex	B255C7
RGB	178, 85, 199
RGB Percent	70%, 33%, 78%
CMY	0.3012, 0.6660, 0.2189
CMYK	0.11, 0.57, 0.00, 0.22
HSL	289°, 51%, 56%
HSV	289°, 57%, 78%
XYZ	31.9962, 20.1443, 56.3479
YIQ	125.8030, 18.8340, 55.1700

Conversions

Conversions Part 2

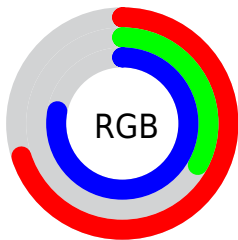
Format	Color
R _{YB}	178, 85, 199
Decimal	11687367
CIE Lab	52.00, 54.72, -43.33
CIE LCh	52, 69.797, 321.625
Yxy	20.1443, 0.2949, 0.1857
Android (android.graphics.Color)	4289877447 (0xFFB255C7)
YUV	125.8030, 36.0861, 45.7768
Hunter-Lab	44.8824, 48.7066, -43.0182

Details

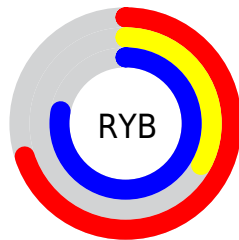
The CIELCh color **52, 69.797, 321.625** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **73, 68.629, 135.804**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 69.175, 321.902**, and **32, 69.530, 321.634** is the 20% darker color. If you saturate the color by 10%, you get **48, 79.775, 321.824**, and if you desaturate by 10%, it is **56, 58.510, 321.313**.

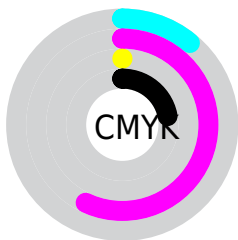
Distribution



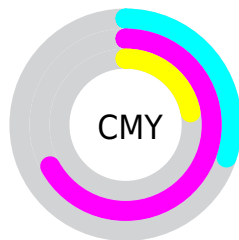
- Red (70%)
- Green (33%)
- Blue (78%)



- Red (70%)
- Yellow (33%)
- Blue (78%)



- Cyan (11%)
- Magenta (57%)
- Yellow (0%)
- Black (22%)





- Cyan (30%)
- Magenta (67%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 69.797, 321.625 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, 69.797, 321.625 by changing the saturation by 10% instead.


 52, 69.797,
321.625


 52, 69.797,
321.625


 100, 69.797,
321.625


 42, 69.797,
321.625


 72, 69.797,
321.625

 32, 69.797,
321.625

 82, 69.797,
321.625

 22, 69.797,
321.625

 92, 69.797,
321.625

 12, 69.797,
321.625

 2, 69.797, 321.625

 0, 69.797, 321.625

52, 69.797,
321.625

52, 69.797,
321.625

48, 79.775,
321.824

56, 58.510,
321.313

45, 87.883,
321.867

61, 46.431,
320.927

43, 93.629,
321.714

66, 33.960,
320.496

41, 96.868,
321.346

71, 21.388,
320.044


41, 97.572,
321.230

76, 8.909, 319.580

82, 3.355, 139.228

87, 15.332,
138.758

93, 26.984,
138.355

 96, 32.655,
137.262

Harmonies

Complementary

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



52, 69.797, 321.625



73, 68.629, 135.804

Rectangle

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



52, 69.797, 321.625



52, 69.797, 11.625



52, 69.797, 141.625



52, 69.797, 191.625

Sweetspot

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



52, 69.795, 321.625



89, 25.780, 320.044



48, 53.648, 290.522



46, 17.266, 320.137



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, 69.795, 321.625



60, 99.046, 321.853



53, 58.554, 338.876



39, 6.987, 319.681



33, 84.127, 321.325



4, 24.635, 319.130

Inverse Universe

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



52, 48.593, 13.130



60, 71.165, 17.071



72, 58.448, 148.587



39, 4.399, 5.261



34, 66.914, 30.069



3, 16.140, 9.950

Previews

White Background



This preview shows how the CIELCh color 52, 69.797, 321.625 looks on a white background.

Color Contrast Check

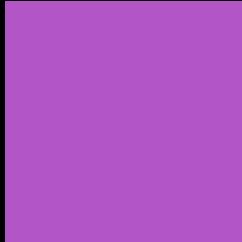
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69.797, 321.625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

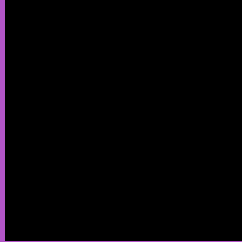
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 69.797, 321.625

Background



This preview shows how black text looks on a background with the CIELCh color 52, 69.797, 321.625.

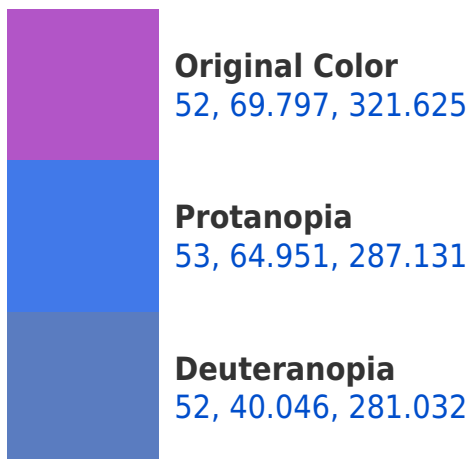


This preview shows how white text looks on a background with the CIELCh color 52, 69.797, 321.625.

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, 25.187, 12.214

Trichromacy



Original Color
52, 69.797, 321.625

Protanomaly
51, 65.579, 297.319

Deuteranomaly
51, 49.721, 300.198

Tritanomaly
52, 37.455, 339.795

Monochromacy



Original Color
52, 69.797, 321.625

Achromatopsia
53, 0.007, 296.813

Achromatomaly
51, 27.563, 320.289

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 69.797, 321.625 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(178, 85, 199)` looks like.

```
.text, #text, p{  
    color:rgb(178, 85, 199)  
}
```

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(178, 85, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 85, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 69.797, 321.625 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(178, 85, 199) }
```

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

```
.border{ border-color:rgb(178, 85, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 85, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 85, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 85, 199);  
box-shadow:4px 4px 4px 4px rgb(178, 85,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 69.797, 321.625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 85, 199) }
```

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

```
.background{ background-color: rgb(178, 85,  
199) }
```

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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