

Converting Colors

CIELCh(52, 49.890, 332.195)

Have a look what the booklet for
CIELCh(52, 49.890, 332.195)
contains.

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Color

CIELCh(52, 49.757, 331.902)

Conversions

Conversions Part 1

Format	Color
Hex	B25EA5
RGB	178, 94, 165
RGB Percent	70%, 37%, 65%
CMY	0.3025, 0.6318, 0.3534
CMYK	0.00, 0.47, 0.07, 0.30
HSL	309°, 35%, 53%
HSV	309°, 47%, 70%
XYZ	29.1007, 20.1443, 37.8905
YIQ	127.2100, 27.2730, 39.8890

Conversions

Conversions Part 2

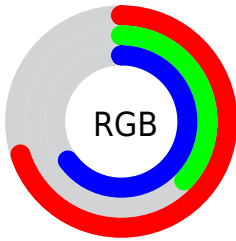
Format	Color
R _Y B	178, 94, 165
Decimal	11689637
CIE _{Lab}	52.00, 43.89, -23.43
CIE _{LCh}	52, 49.757, 331.902
Y _{xy}	20.1443, 0.3340, 0.2312
Android (android.graphics.Color)	4289879717 (0xFFB25EA5)
YUV	127.2100, 18.6305, 44.5428
Hunter-Lab	44.8824, 37.1909, -18.6359

Details

The CIELCh color `52, 49.757, 331.902` is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be `66, 49.881, 145.021`, and the grayscale version is `53, 0.007, 296.813`.

A 20% lighter version of the original color is `72, 49.582, 331.887`, and `32, 49.982, 331.752` is the 20% darker color. If you saturate the color by 10%, you get `49, 58.837, 332.542`, and if you desaturate by 10%, it is `56, 39.752, 331.266`.

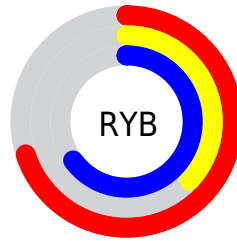
Distribution



Red (70%)

Green (37%)

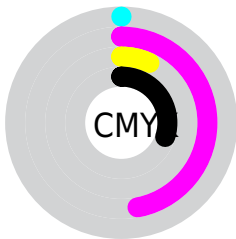
Blue (65%)



Red (70%)

Yellow (37%)

Blue (65%)

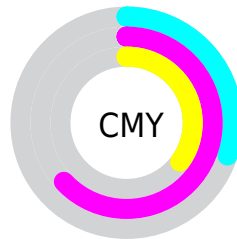


Cyan (0%)

Magenta (47%)

Yellow (7%)

Black (30%)



Cyan (30%)


Magenta (63%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 49.757, 331.902 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, 49.757, 331.902 by changing the saturation by 10% instead.


 52, 49.757,
331.902


 52, 49.757,
331.902


 100, 49.757,
331.902


 42, 49.757,
331.902


 72, 49.757,
331.902

 32, 49.757,
331.902

 82, 49.757,
331.902

 22, 49.757,
331.902

 92, 49.757,
331.902

 12, 49.757,
331.902

 2, 49.757, 331.902

 0, 49.757, 331.902

■ 52, 49.757,
331.902

■ 52, 49.757,
331.902

■ 49, 58.837,
332.542

■ 56, 39.752,
331.266

■ 46, 66.547,
333.188

■ 60, 29.221,
330.635

■ 43, 72.442,
333.849

■ 64, 18.465,
330.011

■ 42, 76.203,
334.542

■ 69, 7.700, 329.387

■ 41, 77.857,
335.289


■ 74, 2.929, 148.931

■ 41, 78.177,
335.500

■ 79, 13.333,
148.296

■ 84, 23.461,
147.749

■ 89, 33.291,
147.234

 93, 42.816,
146.747

Harmonies

Complementary

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



52, 49.757, 331.902



66, 49.881, 145.021

Rectangle

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



52, 49.757, 331.902



52, 49.757, 21.902



52, 49.757, 151.902



52, 49.757, 201.902

Sweetspot

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



52, 49.755, 331.902



84, 18.613, 329.827



45, 50.289, 300.904



44, 12.966, 329.959



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



52, 49.755, 331.902



62, 72.582, 332.592



51, 37.441, 358.421



35, 6.067, 329.521



35, 70.059, 335.400



2, 13.908, 331.344

Inverse Universe

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



52, 49.755, 331.902



62, 72.582, 332.592



67, 33.427, 167.578



35, 6.067, 329.521



35, 70.059, 335.400



2, 13.908, 331.344

Previews

White Background



This preview shows how the CIELCh color 52, 49.757, 331.902 looks on a white background.

Color Contrast Check

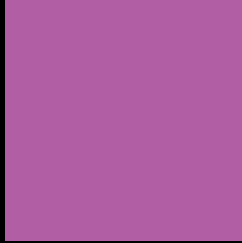
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 52, 49.757, 331.902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

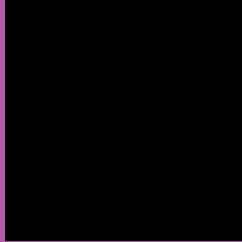
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 49.757, 331.902

Background



This preview shows how black text looks on a background with the CIELCh color 52, 49.757, 331.902.

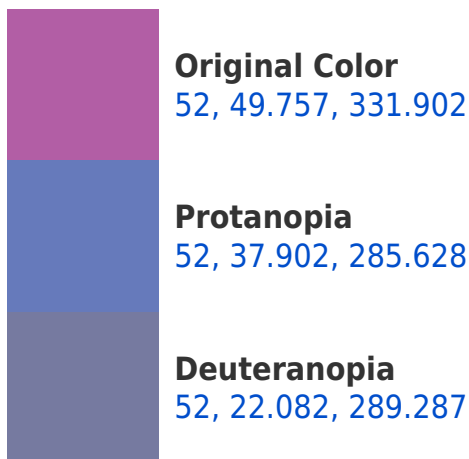


This preview shows how white text looks on a background with the CIELCh color 52, 49.757, 331.902.

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, 28.689, 14.055

Trichromacy



Original Color
52, 49.757, 331.902

Protanomaly
51, 39.600, 303.419

Deuteranomaly
52, 30.896, 312.517

Tritanomaly
52, 33.736, 352.492

Monochromacy



Original Color
52, 49.757, 331.902

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 19.079, 329.494

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 49.757, 331.902 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, 94, 165)` looks like.

```
.text, #text, p{  
    color:rgb(178, 94, 165)  
}
```

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, 94, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 94, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 49.757, 331.902 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, 94, 165) }
```

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

```
.border{ border-color:rgb(178, 94, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 94, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 94, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 94, 165);  
box-shadow:4px 4px 4px 4px rgb(178, 94,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 49.757, 331.902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 94, 165) }
```

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

```
.background{ background-color: rgb(178, 94,  
165) }
```

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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