

Converting Colors

CIELCh(52, 53.413, 332.837)

Have a look what the booklet for
CIELCh(52, 53.413, 332.837)
contains.

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Color

CIELCh(52, 53.757, 332.792)

Conversions

Conversions Part 1

Format	Color
Hex	B75AA7
RGB	183, 90, 167
RGB Percent	72%, 35%, 65%
CMY	0.2827, 0.6473, 0.3454
CMYK	0.00, 0.51, 0.09, 0.28
HSL	310°, 39%, 54%
HSV	310°, 51%, 72%
XYZ	30.1271, 20.1443, 38.8226
YIQ	126.5850, 30.7110, 43.6630

Conversions

Conversions Part 2

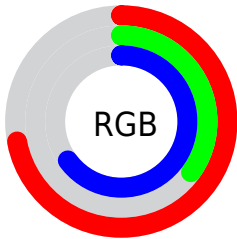
Format	Color
R _{YB}	183, 90, 167
Decimal	12016295
CIE _{Lab}	52.00, 47.81, -24.58
CIE _{LCh}	52, 53.757, 332.792
Y _{xy}	20.1443, 0.3381, 0.2261
Android (android.graphics.Color)	4290206375 (0xFFB75AA7)
YUV	126.5850, 19.9246, 49.4760
Hunter-Lab	44.8824, 41.2728, -19.8673

Details

The CIELCh color $52, 53.757, 332.792$ is a dark color, and the websafe version is hex `CC66CC`. A complement of this color would be $67, 53.979, 145.113$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 53.888, 332.981$, and $32, 53.741, 332.828$ is the 20% darker color. If you saturate the color by 10%, you get $49, 62.480, 333.470$, and if you desaturate by 10%, it is $56, 43.929, 332.127$.

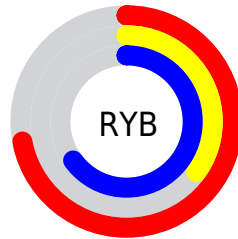
Distribution



Red (72%)

Green (35%)

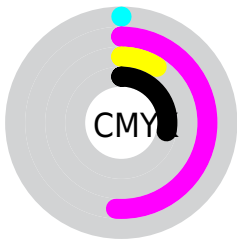
Blue (65%)



Red (72%)

Yellow (35%)

Blue (65%)

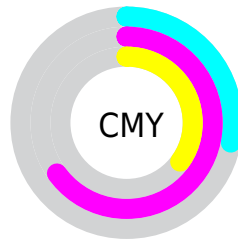


Cyan (0%)

Magenta (51%)

Yellow (9%)

Black (28%)



Cyan (28%)


Magenta (65%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 53.757, 332.792 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, 53.757, 332.792 by changing the saturation by 10% instead.


 52, 53.757,
332.792


 52, 53.757,
332.792


 100, 53.757,
332.792


 42, 53.757,
332.792


 72, 53.757,
332.792

 32, 53.757,
332.792

 82, 53.757,
332.792

 22, 53.757,
332.792

 92, 53.757,
332.792

 12, 53.757,
332.792

 2, 53.757, 332.792

 0, 53.757, 332.792

52, 53.757,
332.792

52, 53.757,
332.792

49, 62.480,
333.470

56, 43.929,
332.127

46, 69.632,
334.169

60, 33.433,
331.473

44, 74.785,
334.904

64, 22.609,
330.831

42, 77.693,
335.700

69, 11.709,
330.198

42, 78.755,
336.493

74, 0.903, 329.309

79, 9.699, 149.072

84, 20.036,
148.503

89, 30.075,
147.972

■ 94, 39.807,
147.470

Harmonies

Complementary

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



52, 53.757, 332.792



67, 53.979, 145.113

Rectangle

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



52, 53.757, 332.792



52, 53.757, 22.792



52, 53.757, 152.792



52, 53.757, 202.792

Sweetspot

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



52, 53.755, 332.792



85, 20.062, 330.477



44, 55.754, 301.870



44, 13.811, 330.610



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



52, 53.755, 332.792



62, 77.030, 333.551



50, 40.968, 0.318



36, 6.134, 330.103



35, 69.983, 336.371



3, 15.808, 332.467

Inverse Universe

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



52, 53.755, 332.792



62, 77.030, 333.551



68, 35.950, 168.186



36, 6.134, 330.103



35, 69.983, 336.371



3, 15.808, 332.467

Previews

White Background



This preview shows how the CIELCh color 52, 53.757, 332.792 looks on a white background.

Color Contrast Check

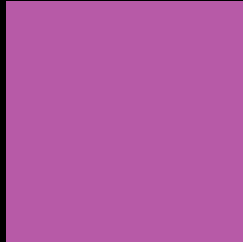
Large Text (above 18pt) WCAG AA ✓ Pass

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, 53.757, 332.792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

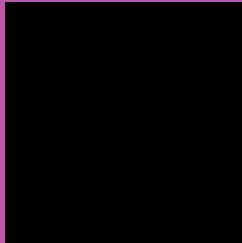
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 53.757, 332.792

Background



This preview shows how black text looks on a background with the CIELCh color 52, 53.757, 332.792.

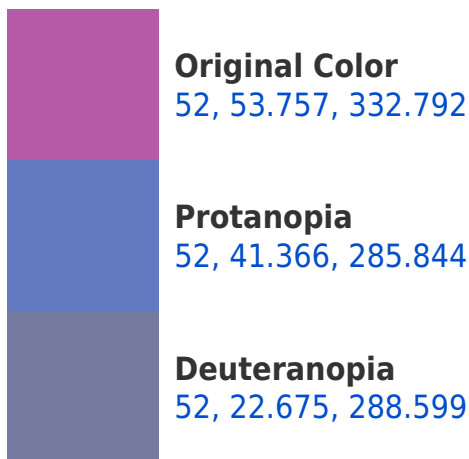


This preview shows how white text looks on a background with the CIELCh color 52, 53.757, 332.792.

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, 31.747, 15.429

Trichromacy



Original Color
52, 53.757, 332.792

Protanomaly
51, 43.722, 303.738

Deuteranomaly
51, 32.900, 313.408

Tritanomaly
52, 36.903, 354.144

Monochromacy



Original Color
52, 53.757, 332.792

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 20.677, 330.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 53.757, 332.792 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(183, 90, 167)` looks like.

```
.text, #text, p{  
    color:rgb(183, 90, 167)  
}
```

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(183, 90, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 90, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 53.757, 332.792 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(183, 90, 167) }
```

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

```
.border{ border-color:rgb(183, 90, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 90, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 90, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 90, 167);  
box-shadow:4px 4px 4px 4px rgb(183, 90,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 53.757, 332.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 90, 167) }
```

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

```
.background{ background-color: rgb(183, 90,  
167) }
```

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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