

Converting Colors

CIELCh(53, 50.001, 336.053)

Have a look what the booklet for
CIELCh(53, 50.001, 336.053)
contains.

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Color

CIELCh(53, 50.103, 336.333)

Conversions

Conversions Part 1

Format	Color
Hex	BA5EA2
RGB	186, 94, 162
RGB Percent	73%, 37%, 64%
CMY	0.2707, 0.6314, 0.3648
CMYK	0.00, 0.49, 0.13, 0.27
HSL	316°, 40%, 55%
HSV	316°, 49%, 73%
XYZ	30.7653, 21.0462, 36.6138
YIQ	129.2600, 33.0040, 40.6520

Conversions

Conversions Part 2

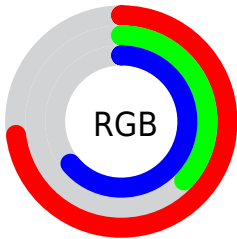
Format	Color
R_{YB}	186, 94, 162
Decimal	12213922
CIE _{Lab}	53.00, 45.89, -20.11
CIE _{LCh}	53, 50.103, 336.333
Yxy	21.0462, 0.3479, 0.2380
Android (android.graphics.Color)	4290404002 (0xFFBA5EA2)
YUV	129.2600, 16.1408, 49.7610
Hunter-Lab	45.8761, 39.4217, -15.2061

Details

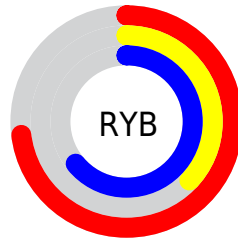
The CIELCh color **53, 50.103, 336.333** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **69, 49.920, 148.247**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 50.312, 336.343**, and **33, 49.860, 336.647** is the 20% darker color. If you saturate the color by 10%, you get **49, 58.633, 337.209**, and if you desaturate by 10%, it is **57, 40.573, 335.522**.

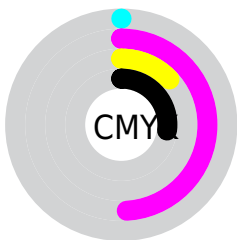
Distribution



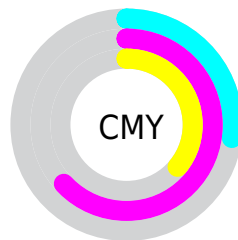
- Red (73%)
- Green (37%)
- Blue (64%)



- Red (73%)
- Yellow (37%)
- Blue (64%)



- Cyan (0%)
- Magenta (49%)
- Yellow (13%)
- Black (27%)





- Cyan (27%)
- Magenta (63%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 50.103, 336.333 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 53, 50.103, 336.333 by changing the saturation by 10% instead.


 53, 50.103,
336.333


 53, 50.103,
336.333


 100, 50.103,
336.333


 43, 50.103,
336.333


 73, 50.103,
336.333

 33, 50.103,
336.333

 83, 50.103,
336.333

 23, 50.103,
336.333

 93, 50.103,
336.333

 13, 50.103,
336.333

 3, 50.103, 336.333

 0, 50.103, 336.333

■ 53, 50.103,
336.333

■ 53, 50.103,
336.333

■ 49, 58.633,
337.209

■ 57, 40.573,
335.522

■ 46, 65.694,
338.174

■ 61, 30.469,
334.758

■ 44, 70.827,
339.268

■ 66, 20.109,
334.034

■ 43, 73.734,
340.542

■ 71, 9.723, 333.335

■ 42, 74.687,
342.025


■ 76, 0.537, 153.296

■ 42, 74.726,
342.107

■ 81, 10.578,
152.134

■ 86, 20.351,
151.539

■ 91, 29.832,
150.985

 94, 35.259,
151.538

Harmonies

Complementary

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



53, 50.103, 336.333



69, 49.920, 148.247

Rectangle

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



53, 50.103, 336.333



53, 50.103, 26.333



53, 50.103, 156.333



53, 50.103, 206.333

Sweetspot

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



53, 50.100, 336.333



86, 19.171, 333.737



46, 54.962, 304.055



45, 13.200, 333.886



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



53, 50.100, 336.333



64, 71.985, 337.256



52, 39.710, 6.211



36, 5.759, 333.325



35, 65.643, 341.865



3, 14.548, 337.160

Inverse Universe

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



53, 50.100, 336.333



64, 71.985, 337.256



70, 33.220, 174.383



36, 5.759, 333.325



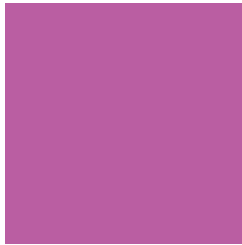
35, 65.643, 341.865



3, 14.548, 337.160

Previews

White Background



This preview shows how the CIELCh color 53, 50.103, 336.333 looks on a white background.

Color Contrast Check

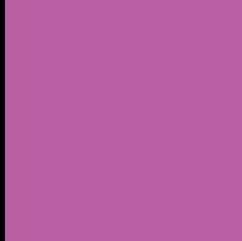
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 50.103, 336.333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

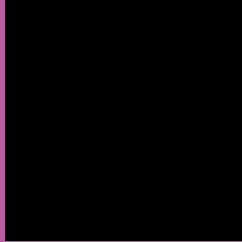
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 50.103, 336.333

Background



This preview shows how black text looks on a background with the CIELCh color 53, 50.103, 336.333.

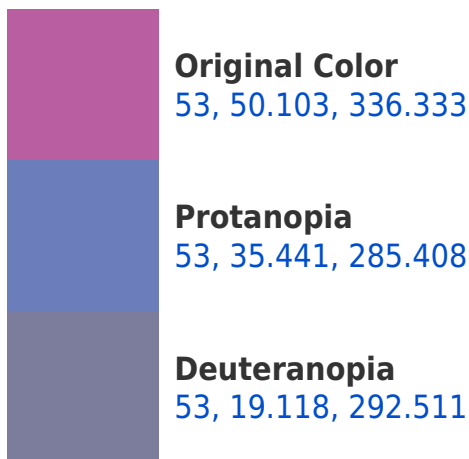


This preview shows how white text looks on a background with the CIELCh color 53, 50.103, 336.333.

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
53, 32.495, 15.690

Trichromacy



Original Color
53, 50.103, 336.333

Protanomaly
52, 37.454, 305.878

Deuteranomaly
52, 29.507, 318.178

Tritanomaly
53, 36.588, 356.908

Monochromacy



Original Color
53, 50.103, 336.333

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 19.614, 334.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 50.103, 336.333 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(186, 94, 162)` looks like.

```
.text, #text, p{  
    color:rgb(186, 94, 162)  
}
```

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(186, 94, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 94, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 50.103, 336.333 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(186, 94, 162) }
```

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

```
.border{ border-color:rgb(186, 94, 162) }
```

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

Here you see how a box with a 4 pixel rgb(186, 94, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 94, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 94, 162);  
box-shadow:4px 4px 4px 4px rgb(186, 94,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 50.103, 336.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 94, 162) }
```

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

```
.background{ background-color: rgb(186, 94,  
162) }
```

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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