

Converting Colors

CIELCh(53, 47.334, 331.044)

Have a look what the booklet for
CIELCh(53, 47.334, 331.044)
contains.

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Color

CIELCh(53, 47.340, 330.762)

Conversions

Conversions Part 1

Format	Color
Hex	B163A7
RGB	177, 99, 167
RGB Percent	69%, 39%, 65%
CMY	0.3061, 0.6119, 0.3453
CMYK	0.00, 0.44, 0.06, 0.31
HSL	308°, 33%, 54%
HSV	308°, 44%, 69%
XYZ	29.5502, 21.0462, 39.0431
YIQ	130.0740, 24.6600, 37.6840

Conversions

Conversions Part 2

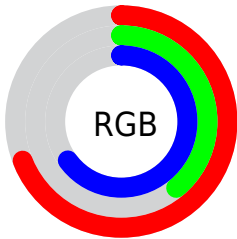
Format	Color
RYB	177, 99, 167
Decimal	11625383
CIELab	53.00, 41.31, -23.12
CIELCh	53, 47.340, 330.762
Yxy	21.0462, 0.3297, 0.2348
Android (android.graphics.Color)	4289815463 (0xFFB163A7)
YUV	130.0740, 18.2045, 41.1541
Hunter-Lab	45.8761, 34.6942, -18.3457

Details

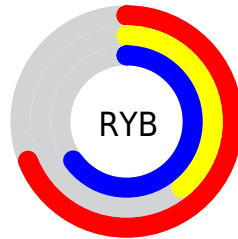
The CIELCh color $53, 47.340, 330.762$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $66, 47.429, 144.573$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 47.107, 330.875$, and $33, 47.621, 330.871$ is the 20% darker color. If you saturate the color by 10%, you get $49, 56.881, 331.360$, and if you desaturate by 10%, it is $57, 36.996, 330.158$.

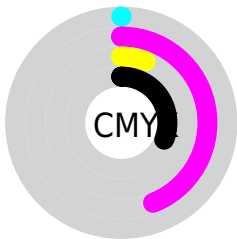
Distribution



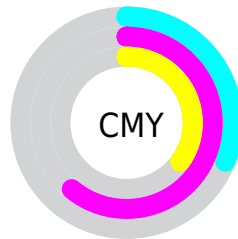
- Red (69%)
- Green (39%)
- Blue (65%)



- Red (69%)
- Yellow (39%)
- Blue (65%)



- Cyan (0%)
- Magenta (44%)
- Yellow (6%)
- Black (31%)




- Cyan (31%)
- Magenta (61%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 47.340, 330.762 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, 47.340, 330.762 by changing the saturation by 10% instead.


 53, 47.340,
330.762


 53, 47.340,
330.762

 100, 47.340,
330.762


 43, 47.340,
330.762


 73, 47.340,
330.762

 33, 47.340,
330.762

 83, 47.340,
330.762

 23, 47.340,
330.762

 93, 47.340,
330.762

 13, 47.340,
330.762

 3, 47.340, 330.762

 0, 47.340, 330.762

53, 47.340,
330.762

53, 47.340,
330.762

49, 56.881,
331.360

57, 36.996,
330.158

46, 65.188,
331.948

61, 26.221,
329.552

44, 71.808,
332.529

66, 15.291,
328.947

42, 76.374,
333.110

70, 4.402, 328.320

75, 6.320, 147.854


41, 78.739,
333.710

80, 16.795,
147.281

41, 79.490,
334.074

85, 26.982,
146.752

90, 36.863,
146.251

 94, 44.545,
146.024

Harmonies

Complementary

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



53, 47.340, 330.762



66, 47.429, 144.573

Rectangle

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



53, 47.340, 330.762



53, 47.340, 20.762



53, 47.340, 150.762



53, 47.340, 200.762

Sweetspot

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



53, 47.338, 330.762



84, 17.441, 328.896



46, 46.447, 299.507



43, 12.204, 329.027



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



53, 47.338, 330.762



64, 68.905, 331.350



52, 35.263, 355.570



35, 6.181, 328.659



35, 71.488, 333.998



2, 14.271, 330.080

Inverse Universe

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



53, 47.338, 330.762



64, 68.905, 331.350



67, 32.176, 165.863



35, 6.181, 328.659



35, 71.488, 333.998



2, 14.271, 330.080

Previews

White Background



This preview shows how the CIELCh color 53, 47.340, 330.762 looks on a white background.

Color Contrast Check

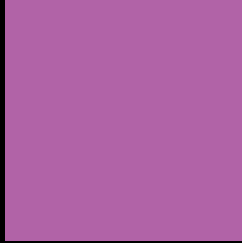
Large Text (above 18pt) WCAG AA ✓ Pass

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, 47.340, 330.762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

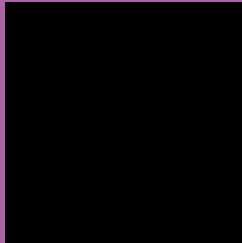
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 47.340, 330.762

Background



This preview shows how black text looks on a background with the CIELCh color 53, 47.340, 330.762.

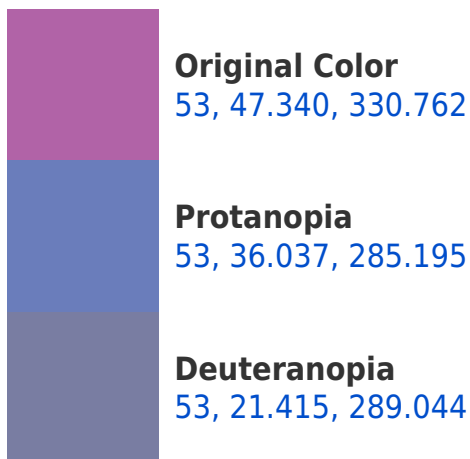


This preview shows how white text looks on a background with the CIELCh color 53, 47.340, 330.762.

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, 25.948, 12.619

Trichromacy



Original Color
53, 47.340, 330.762

Protanomaly
53, 37.620, 302.643

Deuteranomaly
53, 29.352, 311.151

Tritanomaly
53, 31.369, 350.569

Monochromacy



Original Color
53, 47.340, 330.762

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 17.638, 329.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 47.340, 330.762 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(177, 99, 167)` looks like.

```
.text, #text, p{  
    color:rgb(177, 99, 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(177, 99, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 99, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 47.340, 330.762 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(177, 99, 167) }
```

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

```
.border{ border-color:rgb(177, 99, 167) }
```

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

Here you see how a box with a 4 pixel rgb(177, 99, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 99, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 99, 167);  
box-shadow:4px 4px 4px 4px rgb(177, 99,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 47.340, 330.762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 99, 167) }
```

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

```
.background{ background-color: rgb(177, 99,  
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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