

Converting Colors

CIELCh(53, 36.536, 335.417)

Have a look what the booklet for
CIELCh(53, 36.536, 335.417)
contains.

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Color

CIELCh(53, 36.569, 335.433)

Conversions

Conversions Part 1

Format	Color
Hex	AA6999
RGB	170, 105, 153
RGB Percent	67%, 41%, 60%
CMY	0.3322, 0.5872, 0.3989
CMYK	0.00, 0.38, 0.10, 0.33
HSL	316°, 28%, 54%
HSV	316°, 38%, 67%
XYZ	27.4930, 21.0462, 32.8723
YIQ	129.9070, 23.3320, 28.7080

Conversions

Conversions Part 2

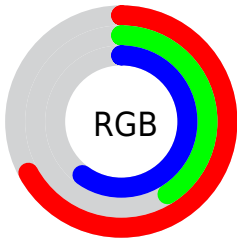
Format	Color
R_{YB}	170, 105, 153
Decimal	11168153
CIE _{Lab}	53.00, 33.26, -15.20
CIE _{LCh}	53, 36.569, 335.433
Yxy	21.0462, 0.3377, 0.2585
Android (android.graphics.Color)	4289358233 (0xFFAA6999)
YUV	129.9070, 11.3848, 35.1616
Hunter-Lab	45.8761, 26.6897, -10.3707

Details

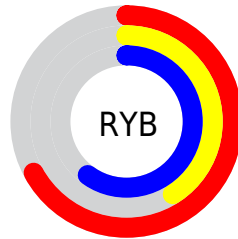
The CIELCh color $53, 36.569, 335.433$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $64, 36.286, 149.626$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 36.611, 335.463$, and $33, 36.261, 335.166$ is the 20% darker color. If you saturate the color by 10%, you get $49, 45.537, 336.233$, and if you desaturate by 10%, it is $57, 27.114, 334.680$.

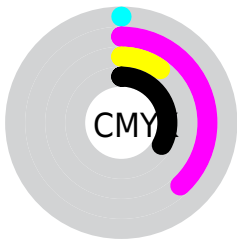
Distribution



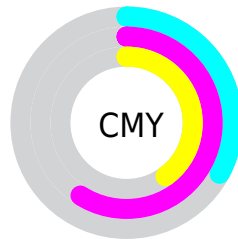
- Red (67%)
- Green (41%)
- Blue (60%)



- Red (67%)
- Yellow (41%)
- Blue (60%)



- Cyan (0%)
- Magenta (38%)
- Yellow (10%)
- Black (33%)





- Cyan (33%)
- Magenta (59%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 36.569, 335.433 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, 36.569, 335.433 by changing the saturation by 10% instead.


 53, 36.569,
335.433


 53, 36.569,
335.433


 100, 36.569,
335.433


 43, 36.569,
335.433


 73, 36.569,
335.433

 33, 36.569,
335.433

 83, 36.569,
335.433

 23, 36.569,
335.433

 93, 36.569,
335.433

 13, 36.569,
335.433

 3, 36.569, 335.433

 0, 36.569, 335.433

53, 36.569,
335.433

53, 36.569,
335.433

49, 45.537,
336.233

57, 27.114,
334.680

46, 53.656,
337.093

61, 17.462,
333.965

43, 60.488,
338.037

66, 7.810, 333.270

41, 65.604,
339.101

71, 1.712, 152.837

39, 68.694,
340.335

75, 11.023,
152.088

38, 69.881,
341.774

80, 20.083,
151.502

38, 70.044,
342.043

85, 28.871,
150.955

90, 37.386,
150.440

■ 93, 43.579,
150.456

Harmonies

Complementary

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



53, 36.569, 335.433



64, 36.286, 149.626

Rectangle

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



53, 36.569, 335.433



53, 36.569, 25.433



53, 36.569, 155.433



53, 36.569, 205.433

Sweetspot

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



53, 36.567, 335.433



82, 13.050, 333.480



48, 38.777, 302.879



43, 8.847, 333.570



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



53, 36.567, 335.433



64, 54.042, 336.122



52, 28.260, 4.057



33, 5.355, 333.347



33, 63.278, 341.841



2, 9.221, 335.630

Inverse Universe

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



53, 36.567, 335.433



64, 54.042, 336.122



65, 24.685, 175.766



33, 5.355, 333.347



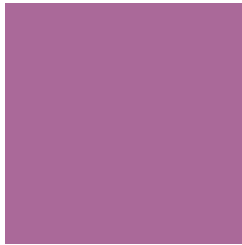
33, 63.278, 341.841



2, 9.221, 335.630

Previews

White Background



This preview shows how the CIELCh color 53, 36.569, 335.433 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 53, 36.569, 335.433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

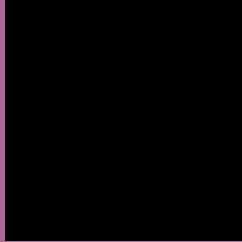
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 36.569, 335.433

Background



This preview shows how black text looks on a background with the CIELCh color 53, 36.569, 335.433.

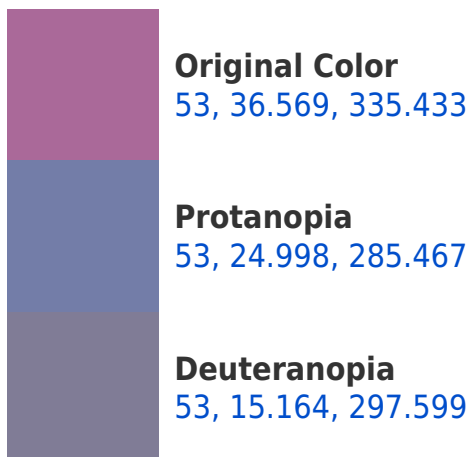


This preview shows how white text looks on a background with the CIELCh color 53, 36.569, 335.433.

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, 22.945, 10.826

Trichromacy



Original Color
53, 36.569, 335.433

Protanomaly
53, 26.919, 306.258

Deuteranomaly
53, 22.072, 318.695

Tritanomaly
53, 26.372, 354.395

Monochromacy



Original Color
53, 36.569, 335.433

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 13.638, 335.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 36.569, 335.433 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(170, 105, 153)` looks like.

```
.text, #text, p{  
    color:rgb(170, 105, 153)  
}
```

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(170, 105, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 105, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 36.569, 335.433 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(170, 105, 153) }
```

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

```
.border{ border-color:rgb(170, 105, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 105, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 105, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 105, 153);  
box-shadow:4px 4px 4px 4px rgb(170, 105,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 36.569, 335.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 105, 153) }
```

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

```
.background{ background-color: rgb(170,  
105, 153) }
```

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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