

Converting Colors

CIELCh(50, 33.742, 327.223)

Have a look what the booklet for
CIELCh(50, 33.742, 327.223)
contains.

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Color

CIELCh(50, 33.530, 327.306)

Conversions

Conversions Part 1

Format	Color
Hex	986696
RGB	152, 102, 150
RGB Percent	60%, 40%, 59%
CMY	0.4034, 0.5995, 0.4113
CMYK	0.00, 0.33, 0.01, 0.40
HSL	302°, 20%, 50%
HSV	302°, 33%, 60%
XYZ	23.2495, 18.4187, 31.2355
YIQ	122.4220, 14.3920, 25.5280

Conversions

Conversions Part 2

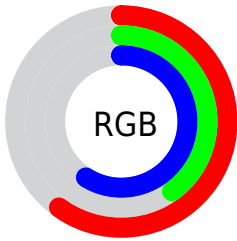
Format	Color
R_{YB}	152, 102, 150
Decimal	9987734
CIE _{Lab}	50.00, 28.22, -18.11
CIE _{LCh}	50, 33.530, 327.306
Yxy	18.4187, 0.3189, 0.2526
Android (android.graphics.Color)	4288177814 (0xFF986696)
YUV	122.4220, 13.5960, 25.9399
Hunter-Lab	42.9170, 21.5947, -13.1101

Details

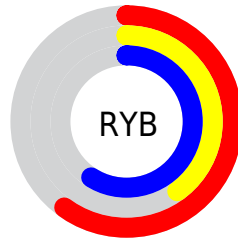
The CIELCh color **50, 33.530, 327.306** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **58, 33.537, 143.219**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 33.271, 327.430**, and **30, 33.277, 327.343** is the 20% darker color. If you saturate the color by 10%, you get **47, 43.302, 327.825**, and if you desaturate by 10%, it is **54, 23.390, 326.766**.

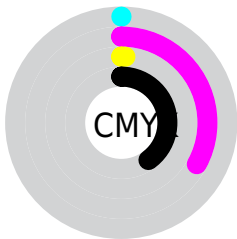
Distribution



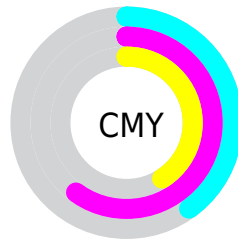
- Red (60%)
- Green (40%)
- Blue (59%)



- Red (60%)
- Yellow (40%)
- Blue (59%)



- Cyan (0%)
- Magenta (33%)
- Yellow (1%)
- Black (40%)





- Cyan (40%)
- Magenta (60%)
- Yellow (41%)
- Black (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 33.530, 327.306 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 50, 33.530, 327.306 by changing the saturation by 10% instead.


 50, 33.530,
327.306


 50, 33.530,
327.306


 100, 33.530,
327.306


 40, 33.530,
327.306


 70, 33.530,
327.306

 30, 33.530,
327.306


 80, 33.530,
327.306


 20, 33.530,
327.306

 90, 33.530,
327.306

 10, 33.530,
327.306

 0, 33.530, 327.306

 50, 33.530,
327.306

 50, 33.530,
327.306

47, 43.302,
327.825

54, 23.390,
326.766

43, 52.398,
328.310

58, 13.129,
326.212

41, 60.445,
328.748

62, 2.914, 325.609

66, 7.140, 145.180

39, 67.054,
329.129

70, 16.963,
144.644

37, 71.904,
329.448

74, 26.515,
144.141

36, 74.838,
329.704

79, 35.780,
143.665

36, 76.205,
329.864

83, 44.753,
143.214

87, 53.440,
142.790

Harmonies

Complementary

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



50, 33.530, 327.306



58, 33.537, 143.219

Rectangle

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



50, 33.530, 327.306



50, 33.530, 17.306



50, 33.530, 147.306



50, 33.530, 197.306

Sweetspot

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



50, 33.528, 327.306



75, 12.674, 326.062



45, 29.866, 295.266



39, 8.630, 326.134



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



50, 33.528, 327.306



62, 49.202, 327.668



49, 24.201, 348.633



30, 5.781, 326.007



33, 71.831, 329.852



1, 6.192, 325.668

Inverse Universe

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



50, 33.528, 327.306



62, 49.202, 327.668



59, 23.102, 162.412



30, 5.781, 326.007



33, 71.831, 329.852



1, 6.192, 325.668

Previews

White Background



This preview shows how the CIELCh color 50, 33.530, 327.306 looks on a white background.

Color Contrast Check

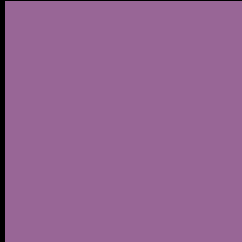
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 33.530, 327.306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

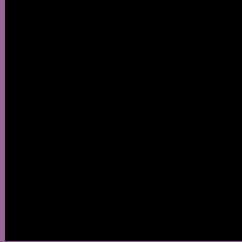
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 33.530, 327.306

Background



This preview shows how black text looks on a background with the CIELCh color 50, 33.530, 327.306.



This preview shows how white text looks on a background with the CIELCh color 50, 33.530, 327.306.

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



Original Color

50, 33.530, 327.306

Protanopia

50, 25.853, 285.247

Deuteranopia

50, 17.565, 292.417



Tritanopia
50, 16.843, 5.601

Trichromacy



Original Color
50, 33.530, 327.306

Protanomaly
50, 27.347, 301.660

Deuteranomaly
50, 22.218, 310.193

Tritanomaly
50, 21.733, 344.299

Monochromacy



Original Color
50, 33.530, 327.306

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 12.932, 326.636

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 33.530, 327.306 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(152, 102, 150)` looks like.

```
.text, #text, p{  
    color:rgb(152, 102, 150)  
}
```

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(152, 102, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 102, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 33.530, 327.306 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(152, 102, 150) }
```

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

```
.border{ border-color:rgb(152, 102, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 102, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 102, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 102, 150);  
box-shadow:4px 4px 4px 4px rgb(152, 102,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 33.530, 327.306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 102, 150) }
```

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

```
.background{ background-color: rgb(152,  
102, 150) }
```

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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