

Converting Colors

CIELCh(50, 37.596, 326.304)

Have a look what the booklet for
CIELCh(50, 37.596, 326.304)
contains.

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Color

CIELCh(50, 37.678, 326.307)

Conversions

Conversions Part 1

Format	Color
Hex	9B649B
RGB	155, 100, 155
RGB Percent	61%, 39%, 61%
CMY	0.3925, 0.6082, 0.3925
CMYK	0.00, 0.36, 0.00, 0.39
HSL	300°, 22%, 50%
HSV	300°, 36%, 61%
XYZ	23.9550, 18.4187, 33.2600
YIQ	122.7150, 15.1250, 28.7650

Conversions

Conversions Part 2

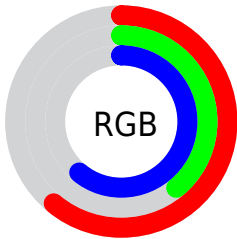
Format	Color
R_{YB}	155, 100, 155
Decimal	10183835
CIE _{Lab}	50.00, 31.35, -20.90
CIE _{LCh}	50, 37.678, 326.307
Yxy	18.4187, 0.3167, 0.2435
Android (android.graphics.Color)	4288373915 (0xFF9B649B)
YUV	122.7150, 15.9165, 28.3139
Hunter-Lab	42.9170, 24.5287, -15.9069

Details

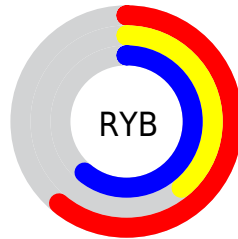
The CIELCh color $50, 37.678, 326.307$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $59, 37.710, 141.917$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 37.706, 325.937$, and $30, 38.152, 326.381$ is the 20% darker color. If you saturate the color by 10%, you get $47, 47.702, 326.788$, and if you desaturate by 10%, it is $54, 27.187, 325.793$.

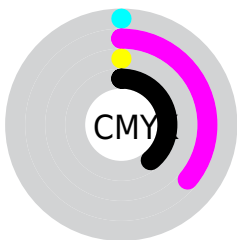
Distribution



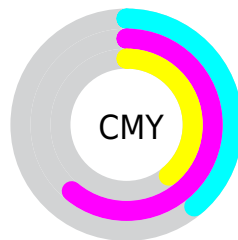
- Red (61%)
- Green (39%)
- Blue (61%)



- Red (61%)
- Yellow (39%)
- Blue (61%)



- Cyan (0%)
- Magenta (36%)
- Yellow (0%)
- Black (39%)





- Cyan (39%)
- Magenta (61%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 37.678, 326.307 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, 37.678, 326.307 by changing the saturation by 10% instead.


 50, 37.678,
326.307


 50, 37.678,
326.307


 100, 37.678,
326.307


 40, 37.678,
326.307


 70, 37.678,
326.307

 30, 37.678,
326.307


 80, 37.678,
326.307


 20, 37.678,
326.307

 90, 37.678,
326.307

 10, 37.678,
326.307

 0, 37.678, 326.307

 50, 37.678,
326.307

 50, 37.678,
326.307

47, 47.702,
326.788

54, 27.187,
325.793

44, 56.924,
327.219

58, 16.505,
325.258

41, 64.952,
327.585

62, 5.828, 324.698

66, 4.711, 144.250

39, 71.405,
327.873

70, 15.024,
143.701

38, 76.000,
328.074

74, 25.062,
143.196

37, 78.695,
328.191

79, 34.800,
142.718

37, 79.646,
328.231

83, 44.230,
142.265

88, 53.354,
141.840

Harmonies

Complementary

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



50, 37.678, 326.307



59, 37.710, 141.917

Rectangle

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



50, 37.678, 326.307



50, 37.678, 16.307



50, 37.678, 146.307



50, 37.678, 196.307

Sweetspot

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



50, 37.676, 326.307



75, 14.482, 325.023



45, 32.320, 294.009



39, 9.814, 325.092



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



50, 37.676, 326.307



61, 55.989, 326.711



49, 27.314, 346.027



30, 5.940, 324.912



33, 74.069, 328.231



1, 6.386, 324.438

Inverse Universe

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



48, 24.079, 22.520



58, 37.142, 23.781



60, 26.282, 159.479



30, 3.439, 19.894



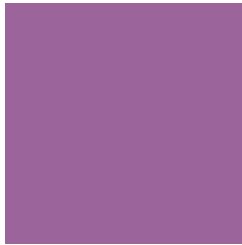
28, 66.112, 39.048



1, 3.595, 19.402

Previews

White Background



This preview shows how the CIELCh color 50, 37.678, 326.307 looks on a white background.

Color Contrast Check

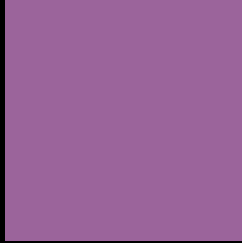
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 37.678, 326.307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

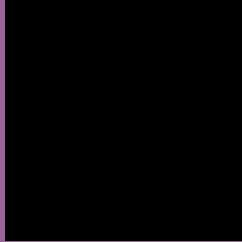
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 37.678, 326.307

Background



This preview shows how black text looks on a background with the CIELCh color 50, 37.678, 326.307.



This preview shows how white text looks on a background with the CIELCh color 50, 37.678, 326.307.

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, 37.678, 326.307

Protanopia

50, 29.389, 284.977

Deuteranopia

50, 20.488, 289.818



Tritanopia
50, 18.100, 6.928

Trichromacy



Original Color
50, 37.678, 326.307

Protanomaly
50, 30.876, 301.642

Deuteranomaly
50, 25.582, 307.959

Tritanomaly
50, 23.637, 344.676

Monochromacy



Original Color
50, 37.678, 326.307

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 14.093, 325.211

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 37.678, 326.307 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(155, 100, 155)` looks like.

```
.text, #text, p{  
    color:rgb(155, 100, 155)  
}
```

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(155, 100, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 100, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 37.678, 326.307 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(155, 100, 155) }
```

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

```
.border{ border-color:rgb(155, 100, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 100, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 100, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 100, 155);  
box-shadow:4px 4px 4px 4px rgb(155, 100,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 37.678, 326.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 100, 155) }
```

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

```
.background{ background-color: rgb(155,  
100, 155) }
```

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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