

Converting Colors

CIELCh(49, 40.915, 336.139)

Have a look what the booklet for
CIELCh(49, 40.915, 336.139)
contains.

CIELCh(49, 40.684, 336.435)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 40.684, 336.435)

Conversions

Conversions Part 1

Format	Color
Hex	A55C91
RGB	165, 92, 145
RGB Percent	65%, 36%, 57%
CMY	0.3543, 0.6405, 0.4327
CMYK	0.00, 0.44, 0.12, 0.35
HSL	316°, 29%, 50%
HSV	316°, 44%, 65%
XYZ	24.3282, 17.5941, 28.7670
YIQ	119.8690, 26.4950, 31.9590

Conversions

Conversions Part 2

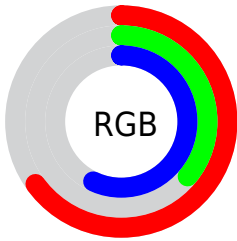
Format	Color
R _{YB}	165, 92, 145
Decimal	10837137
CIE _{Lab}	49.00, 37.29, -16.27
CIE _{LCh}	49, 40.684, 336.435
Y _{xy}	17.5941, 0.3442, 0.2489
Android (android.graphics.Color)	4289027217 (0xFFA55C91)
YUV	119.8690, 12.3896, 39.5799
Hunter-Lab	41.9453, 30.1256, -11.3008

Details

The CIELCh color $49, 40.684, 336.435$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $62, 40.376, 149.395$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 40.663, 336.238$, and $29, 40.584, 336.536$ is the 20% darker color. If you saturate the color by 10%, you get $46, 48.899, 337.293$, and if you desaturate by 10%, it is $53, 31.797, 335.638$.

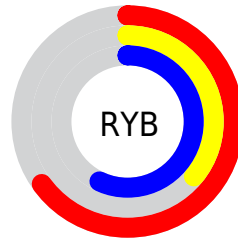
Distribution



Red (65%)

Green (36%)

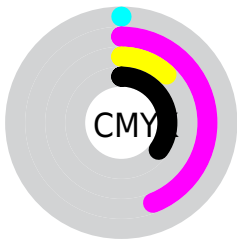
Blue (57%)



Red (65%)

Yellow (36%)

Blue (57%)

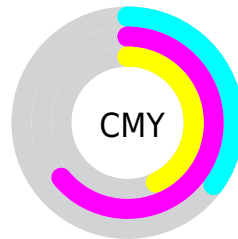


Cyan (0%)

Magenta (44%)

Yellow (12%)

Black (35%)



Cyan (35%)


Magenta (64%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 40.684, 336.435 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 49, 40.684, 336.435 by changing the saturation by 10% instead.

 49, 40.684,
336.435

 49, 40.684,
336.435


 100, 40.684,
336.435

 39, 40.684,
336.435

 69, 40.684,
336.435


 29, 40.684,
336.435

 79, 40.684,
336.435

 19, 40.684,
336.435

 89, 40.684,
336.435

 9, 40.684, 336.435

 99, 40.684,
336.435

 0, 40.684, 336.435

 49, 40.684,

 49, 40.684,

336.435

46, 48.899,
337.293

43, 56.051,
338.232

40, 61.706,
339.287

38, 65.503,
340.505

37, 67.275,
341.949

37, 67.792,
342.835

336.435

53, 31.797,
335.638

57, 22.569,
334.888

61, 13.237,
334.175

66, 3.964, 333.457

70, 5.146, 152.953

75, 14.033,
152.320

79, 22.667,
151.748

84, 31.038,
151.211

■ 89, 39.146,
150.706

Harmonies

Complementary

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



49, 40.684, 336.435



62, 40.376, 149.395

Rectangle

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



49, 40.684, 336.435



49, 40.684, 26.435



49, 40.684, 156.435



49, 40.684, 206.435

Sweetspot

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



49, 40.682, 336.435



79, 14.880, 334.099



44, 44.256, 303.985



40, 10.407, 334.247



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



49, 40.682, 336.435



59, 59.158, 337.263



48, 32.020, 6.354



32, 5.175, 333.821



32, 61.986, 342.640



1, 7.684, 335.495

Inverse Universe

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



49, 40.682, 336.435



59, 59.158, 337.263



63, 27.083, 176.352



32, 5.175, 333.821



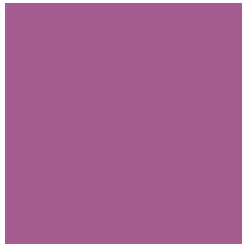
32, 61.986, 342.640



1, 7.684, 335.495

Previews

White Background



This preview shows how the CIELCh color 49, 40.684, 336.435 looks on a white background.

Color Contrast Check

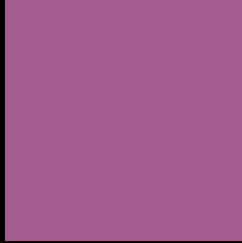
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 49, 40.684, 336.435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

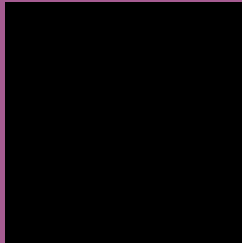
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 40.684, 336.435

Background



This preview shows how black text looks on a background with the CIELCh color 49, 40.684, 336.435.

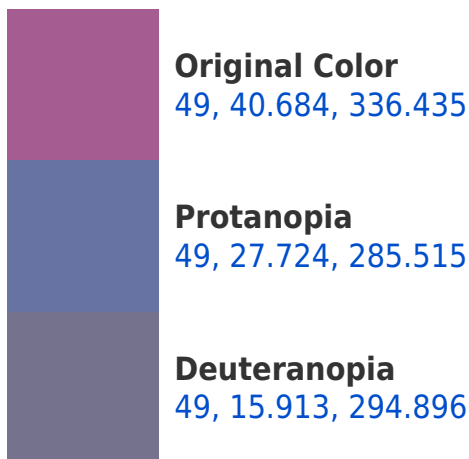


This preview shows how white text looks on a background with the CIELCh color 49, 40.684, 336.435.

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
49, 26.406, 12.984

Trichromacy



Original Color
49, 40.684, 336.435

Protanomaly
49, 29.676, 306.155

Deuteranomaly
49, 23.745, 319.216

Tritanomaly
49, 30.276, 355.310

Monochromacy



Original Color
49, 40.684, 336.435

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 15.203, 334.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 40.684, 336.435 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(165, 92, 145)` looks like.

```
.text, #text, p{  
    color:rgb(165, 92, 145)  
}
```

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(165, 92, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 92, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 40.684, 336.435 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(165, 92, 145) }
```

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

```
.border{ border-color:rgb(165, 92, 145) }
```

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

Here you see how a box with a 4 pixel rgb(165, 92, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 92, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 92, 145);  
box-shadow:4px 4px 4px 4px rgb(165, 92,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 40.684, 336.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 92, 145) }
```

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

```
.background{ background-color: rgb(165, 92,  
145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor