

Converting Colors

CIELCh(49, 55.521, 327.016)

Have a look what the booklet for
CIELCh(49, 55.521, 327.016)
contains.

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Color

CIELCh(49, 55.494, 327.004)

Conversions

Conversions Part 1

Format	Color
Hex	A854A8
RGB	168, 84, 168
RGB Percent	66%, 33%, 66%
CMY	0.3398, 0.6693, 0.3398
CMYK	0.00, 0.50, 0.00, 0.34
HSL	300°, 33%, 50%
HSV	300°, 50%, 66%
XYZ	26.5179, 17.5941, 39.2096
YIQ	118.6920, 23.1000, 43.9320

Conversions

Conversions Part 2

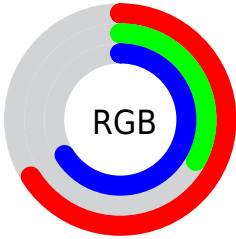
Format	Color
R _Y B	168, 84, 168
Decimal	11031720
CIE Lab	49.00, 46.54, -30.22
CIE LCh	49, 55.494, 327.004
Yxy	17.5941, 0.3183, 0.2112
Android (android.graphics.Color)	4289221800 (0xFFA854A8)
YUV	118.6920, 24.3088, 43.2431
Hunter-Lab	41.9453, 39.4437, -26.0614

Details

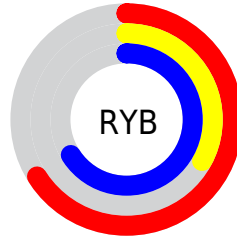
The CIELCh color $49, 55.494, 327.004$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $62, 55.772, 140.452$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 55.149, 327.182$, and $29, 55.786, 327.002$ is the 20% darker color. If you saturate the color by 10%, you get $46, 64.804, 327.409$, and if you desaturate by 10%, it is $52, 45.118, 326.542$.

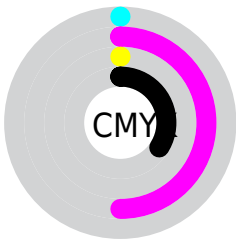
Distribution



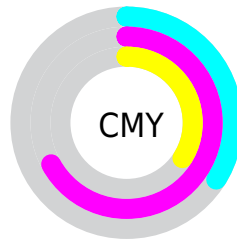
- Red (66%)
- Green (33%)
- Blue (66%)



- Red (66%)
- Yellow (33%)
- Blue (66%)



- Cyan (0%)
- Magenta (50%)
- Yellow (0%)
- Black (34%)



- Cyan (34%)
- Magenta (67%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 55.494, 327.004 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, 55.494, 327.004 by changing the saturation by 10% instead.


 49, 55.494,
327.004


 49, 55.494,
327.004


 100, 55.494,
327.004


 39, 55.494,
327.004

 69, 55.494,
327.004


 29, 55.494,
327.004

 79, 55.494,
327.004

 19, 55.494,
327.004

 89, 55.494,
327.004

 9, 55.494, 327.004

 99, 55.494,
327.004

 0, 55.494, 327.004

 49, 55.494,

 49, 55.494,

327.004

46, 64.804,
327.409

44, 72.626,
327.741

42, 78.583,
327.989

41, 82.462,
328.148

40, 84.651,
328.237

40, 84.670,
328.238

327.004

52, 45.118,
326.542

56, 34.082,
326.038

60, 22.714,
325.507

65, 11.264,
324.959

69, 0.095, 146.830

74, 11.246,
143.934

78, 22.121,
143.413

83, 32.680,
142.920

■ 88, 42.910,
142.454

Harmonies

Complementary

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



49, 55.494, 327.004



62, 55.772, 140.452

Rectangle

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



49, 55.494, 327.004



49, 55.494, 17.004



49, 55.494, 147.004



49, 55.494, 197.004

Sweetspot

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



49, 55.492, 327.004



79, 21.195, 325.255



40, 51.062, 297.301



41, 14.448, 325.365



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



49, 55.492, 327.004



59, 80.153, 327.452



47, 40.303, 348.890



33, 6.429, 324.924



35, 76.985, 328.238



2, 11.671, 324.444

Inverse Universe

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



49, 55.492, 327.004



59, 80.153, 327.452



63, 38.198, 158.500



33, 6.429, 324.924



35, 76.985, 328.238



2, 11.671, 324.444

Previews

White Background



This preview shows how the CIELCh color 49, 55.494, 327.004 looks on a white background.

Color Contrast Check

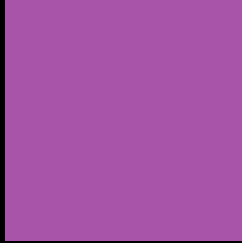
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 49, 55.494, 327.004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

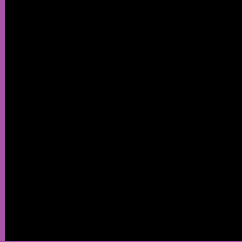
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 55.494, 327.004

Background



This preview shows how black text looks on a background with the CIELCh color 49, 55.494, 327.004.

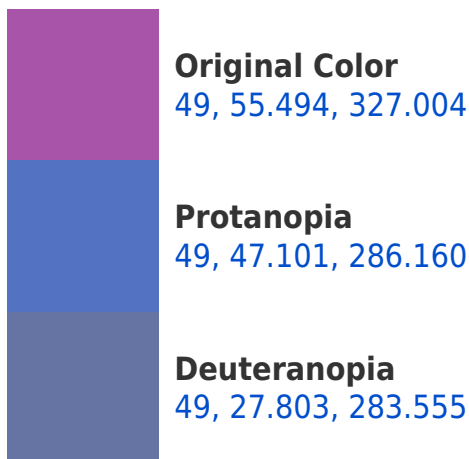


This preview shows how white text looks on a background with the CIELCh color 49, 55.494, 327.004.

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, 26.832, 13.212

Trichromacy



Original Color
49, 55.494, 327.004

Protanomaly
48, 48.496, 300.427

Deuteranomaly
48, 36.784, 305.806

Tritanomaly
49, 33.991, 347.883

Monochromacy



Original Color
49, 55.494, 327.004

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 21.823, 325.629

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 55.494, 327.004 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(168, 84, 168)` looks like.

```
.text, #text, p{  
    color:rgb(168, 84, 168)  
}
```

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(168, 84, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 84, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 55.494, 327.004 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(168, 84, 168) }
```

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

```
.border{ border-color:rgb(168, 84, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 84, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 84, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 84, 168);  
box-shadow:4px 4px 4px 4px rgb(168, 84,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 55.494, 327.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 84, 168) }
```

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

```
.background{ background-color: rgb(168, 84,  
168) }
```

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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