

Converting Colors

CIELCh(48, 50.086, 325.465)

Have a look what the booklet for
CIELCh(48, 50.086, 325.465)
contains.

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Color

CIELCh(48, 49.855, 325.641)

Conversions

Conversions Part 1

Format	Color
Hex	9F57A2
RGB	159, 87, 162
RGB Percent	62%, 34%, 64%
CMY	0.3765, 0.6588, 0.3647
CMYK	0.02, 0.46, 0.00, 0.36
HSL	298°, 30%, 49%
HSV	298°, 46%, 64%
XYZ	24.2260, 16.7945, 36.1450
YIQ	117.0780, 18.8370, 38.5890

Conversions

Conversions Part 2

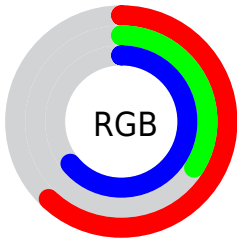
Format	Color
R_{YB}	159, 87, 162
Decimal	10442658
CIE _{Lab}	48.00, 41.16, -28.14
CIE _{LCh}	48, 49.855, 325.641
Yxy	16.7945, 0.3139, 0.2176
Android (android.graphics.Color)	4288632738 (0xFF9F57A2)
YUV	117.0780, 22.1465, 36.7656
Hunter-Lab	40.9810, 33.8036, -23.6067

Details

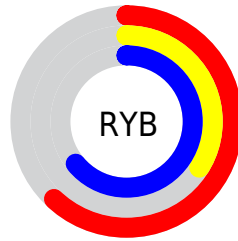
The CIELCh color $48, 49.855, 325.641$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $61, 49.859, 140.009$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 49.828, 325.629$, and $28, 49.667, 325.820$ is the 20% darker color. If you saturate the color by 10%, you get $45, 59.355, 326.035$, and if you desaturate by 10%, it is $52, 39.535, 325.191$.

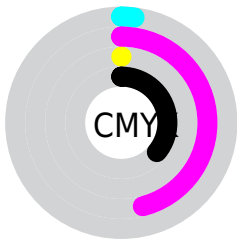
Distribution



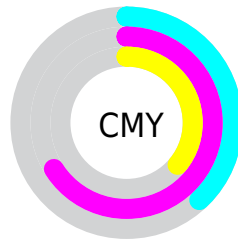
- Red (62%)
- Green (34%)
- Blue (64%)



- Red (62%)
- Yellow (34%)
- Blue (64%)



- Cyan (2%)
- Magenta (46%)
- Yellow (0%)
- Black (36%)




- Cyan (38%)
- Magenta (66%)
- Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 49.855, 325.641 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 48, 49.855, 325.641 by changing the saturation by 10% instead.


 48, 49.855,
325.641


 48, 49.855,
325.641


 100, 49.855,
325.641


 38, 49.855,
325.641

 68, 49.855,
325.641


 28, 49.855,
325.641

 78, 49.855,
325.641

 18, 49.855,
325.641

 88, 49.855,
325.641

 8, 49.855, 325.641

 98, 49.855,
325.641

 0, 49.855, 325.641

 48, 49.855,

 48, 49.855,

325.641

45, 59.355,
326.035

42, 67.629,
326.352

40, 74.266,
326.573

38, 78.954,
326.684

37, 81.663,
326.685

37, 82.471,
326.676

325.641

52, 39.535,
325.191

55, 28.755,
324.703

60, 17.789,
324.192

64, 6.835, 323.661

68, 3.973, 143.240

73, 14.550,
142.708

77, 24.848,
142.228

82, 34.843,
141.775

 86, 44.527,
141.349

Harmonies

Complementary

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



48, 49.855, 325.641



61, 49.859, 140.009

Rectangle

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



48, 49.855, 325.641



48, 49.855, 15.641



48, 49.855, 145.641



48, 49.855, 195.641

Sweetspot

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



48, 49.853, 325.641



77, 18.983, 324.087



41, 43.085, 294.700



40, 13.222, 324.194



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



48, 49.853, 325.641



58, 73.247, 326.062



47, 37.426, 345.432



32, 6.190, 323.824



33, 76.169, 326.690



1, 9.541, 323.017

Inverse Universe

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



46, 33.390, 21.321



55, 51.467, 23.658



61, 36.044, 156.523



32, 3.631, 16.662



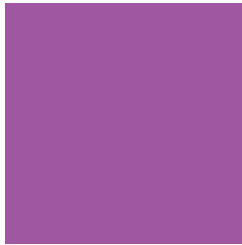
30, 66.673, 37.657



1, 5.475, 16.390

Previews

White Background



This preview shows how the CIELCh color 48, 49.855, 325.641 looks on a white background.

Color Contrast Check

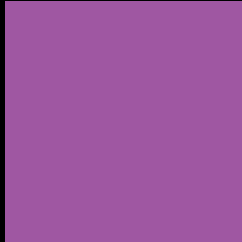
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 49.855, 325.641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

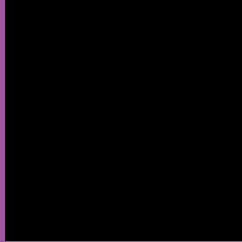
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 49.855, 325.641

Background



This preview shows how black text looks on a background with the CIELCh color 48, 49.855, 325.641.

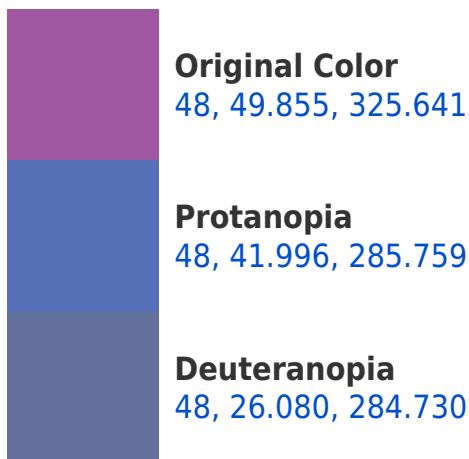


This preview shows how white text looks on a background with the CIELCh color 48, 49.855, 325.641.

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
48, 22.511, 12.077

Trichromacy



Original Color
48, 49.855, 325.641

Protanomaly
47, 42.745, 299.761

Deuteranomaly
48, 33.217, 305.060

Tritanomaly
48, 30.072, 345.451

Monochromacy



Original Color
48, 49.855, 325.641

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 18.900, 324.465

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 49.855, 325.641 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(159, 87, 162)` looks like.

```
.text, #text, p{  
    color:rgb(159, 87, 162)  
}
```

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(159, 87, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 87, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 49.855, 325.641 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(159, 87, 162) }
```

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

```
.border{ border-color:rgb(159, 87, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 87, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 87, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 87, 162);  
box-shadow:4px 4px 4px 4px rgb(159, 87,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 49.855, 325.641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 87, 162) }
```

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

```
.background{ background-color: rgb(159, 87,  
162) }
```

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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