

Converting Colors

CIELCh(49, 21.598, 347.370)

Have a look what the booklet for
CIELCh(49, 21.598, 347.370)
contains.

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Color

CIELCh(49, 21.506, 347.639)

Conversions

Conversions Part 1

Format	Color
Hex	94687D
RGB	148, 104, 125
RGB Percent	58%, 41%, 49%
CMY	0.4207, 0.5931, 0.5108
CMYK	0.00, 0.30, 0.16, 0.42
HSL	331°, 17%, 49%
HSV	331°, 30%, 58%
XYZ	20.7733, 17.5941, 21.6162
YIQ	119.5500, 19.4830, 15.8590

Conversions

Conversions Part 2

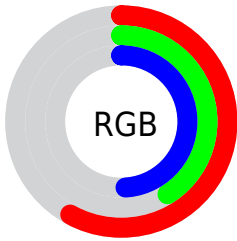
Format	Color
R_{YB}	148, 104, 125
Decimal	9726077
CIE _{Lab}	49.00, 21.01, -4.60
CIE _{LCh}	49, 21.506, 347.639
Yxy	17.5941, 0.3463, 0.2933
Android (android.graphics.Color)	4287916157 (0xFF94687D)
YUV	119.5500, 2.6869, 24.9507
Hunter-Lab	41.9453, 14.9976, -1.1929

Details

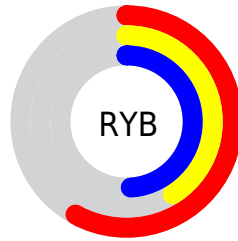
The CIELCh color $[49, 21.506, 347.639]$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $[58, 20.659, 162.181]$, and the grayscale version is $[50, 0.007, 296.813]$.

A 20% lighter version of the original color is $[69, 21.467, 347.531]$, and $[29, 21.420, 347.477]$ is the 20% darker color. If you saturate the color by 10%, you get $[45, 28.763, 348.824]$, and if you desaturate by 10%, it is $[53, 14.178, 346.600]$.

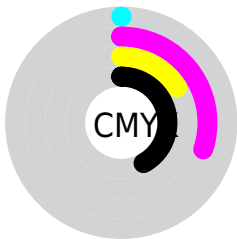
Distribution



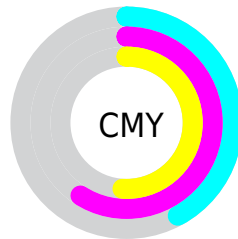
- Red (58%)
- Green (41%)
- Blue (49%)



- Red (58%)
- Yellow (41%)
- Blue (49%)



- Cyan (0%)
- Magenta (30%)
- Yellow (16%)
- Black (42%)



- Cyan (42%)
- Magenta (59%)
- Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 21.506, 347.639 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, 21.506, 347.639 by changing the saturation by 10% instead.

 49, 21.506,
347.639


 49, 21.506,
347.639


 100, 21.506,
347.639


 39, 21.506,
347.639

 69, 21.506,
347.639


 29, 21.506,
347.639

 79, 21.506,
347.639

 19, 21.506,
347.639

 89, 21.506,
347.639

 9, 21.506, 347.639

 99, 21.506,
347.639

 0, 21.506, 347.639

 49, 21.506,

 49, 21.506,

347.639

347.639

45, 28.763,
348.824

53, 14.178,
346.600

42, 35.740,
350.202

57, 6.929, 345.656

39, 42.145,
351.843

61, 0.156, 167.003

66, 7.027, 164.169

36, 47.630,
353.846

70, 13.665,
163.455

34, 51.853,
356.344

74, 20.064,
162.811

32, 54.594,
359.491

79, 26.232,
162.218

31, 56.267, 3.213

83, 32.180,
161.669

31, 56.308, 3.298

87, 37.924,

Harmonies

Complementary

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



49, 21.506, 347.639



58, 20.659, 162.181

Rectangle

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



49, 21.506, 347.639



49, 21.506, 37.639



49, 21.506, 167.639



49, 21.506, 217.639

Sweetspot

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



49, 21.504, 347.641



73, 7.873, 345.602



48, 27.402, 311.026



38, 5.523, 345.725



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



49, 21.504, 347.641



59, 32.151, 348.446



49, 18.730, 23.017



29, 4.007, 345.604



29, 53.518, 2.990



1, 3.465, 344.888

Inverse Universe

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



49, 21.504, 347.641



59, 32.151, 348.446



58, 15.346, 199.565



29, 4.007, 345.604



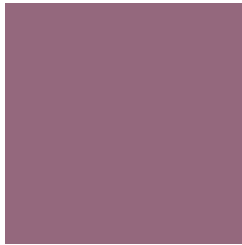
29, 53.518, 2.990



1, 3.465, 344.888

Previews

White Background



This preview shows how the CIELCh color 49, 21.506, 347.639 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, 21.506, 347.639 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, 21.506, 347.639

Background



This preview shows how black text looks on a background with the CIELCh color 49, 21.506, 347.639.



This preview shows how white text looks on a background with the CIELCh color 49, 21.506, 347.639.

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

49, 21.506, 347.639

Protanopia

49, 9.413, 286.779

Deuteranopia

49, 7.621, 329.919



Tritanopia
49, 17.335, 6.120

Trichromacy



Original Color
49, 21.506, 347.639

Protanomaly
49, 11.458, 320.068

Deuteranomaly
49, 12.387, 339.492

Tritanomaly
49, 18.870, 358.306

Monochromacy



Original Color
49, 21.506, 347.639

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 8.015, 344.623

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 21.506, 347.639 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(148, 104, 125)` looks like.

```
.text, #text, p{  
    color:rgb(148, 104, 125)  
}
```

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(148, 104, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 104, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 21.506, 347.639 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(148, 104, 125) }
```

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

```
.border{ border-color:rgb(148, 104, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 104, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 104, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 104, 125);  
box-shadow:4px 4px 4px 4px rgb(148, 104,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 21.506, 347.639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 104, 125) }
```

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

```
.background{ background-color: rgb(148,  
104, 125) }
```

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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