

Converting Colors

CIELCh(49, 17.086, 319.325)

Have a look what the booklet for
CIELCh(49, 17.086, 319.325)
contains.

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Color

CIELCh(49, 16.669, 319.596)

Conversions

Conversions Part 1

Format	Color
Hex	826E87
RGB	130, 110, 135
RGB Percent	51%, 43%, 53%
CMY	0.4908, 0.5693, 0.4712
CMYK	0.04, 0.19, 0.00, 0.47
HSL	288°, 10%, 48%
HSV	288°, 19%, 53%
XYZ	19.1000, 17.5941, 25.2489
YIQ	118.8300, 3.8950, 12.0150

Conversions

Conversions Part 2

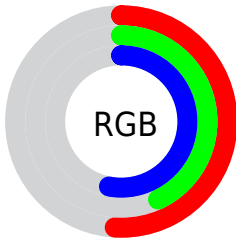
Format	Color
R_{YB}	130, 110, 135
Decimal	8547975
CIE _{Lab}	49.00, 12.69, -10.80
CIE _{LCh}	49, 16.669, 319.596
Yxy	17.5941, 0.3083, 0.2840
Android (android.graphics.Color)	4286738055 (0xFF826E87)
YUV	118.8300, 7.9718, 9.7961
Hunter-Lab	41.9453, 7.8768, -6.3279

Details

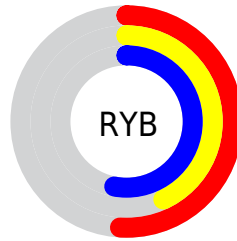
The CIELCh color $[49, 16.669, 319.596]$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $[54, 16.524, 137.943]$, and the grayscale version is $[50, 0.007, 296.813]$.

A 20% lighter version of the original color is $[69, 16.297, 319.639]$, and $[29, 16.635, 319.372]$ is the 20% darker color. If you saturate the color by 10%, you get $[45, 25.784, 320.029]$, and if you desaturate by 10%, it is $[53, 7.616, 319.153]$.

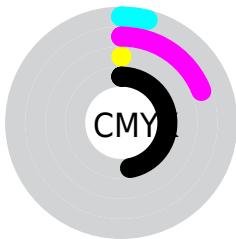
Distribution



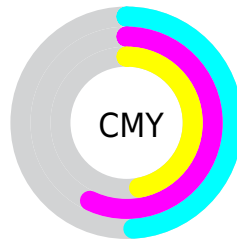
- Red (51%)
- Green (43%)
- Blue (53%)



- Red (51%)
- Yellow (43%)
- Blue (53%)



- Cyan (4%)
- Magenta (19%)
- Yellow (0%)
- Black (47%)




- Cyan (49%)
- Magenta (57%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 16.669, 319.596 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, 16.669, 319.596 by changing the saturation by 10% instead.


 49, 16.669,
319.596


 49, 16.669,
319.596


 100, 16.669,
319.596


 39, 16.669,
319.596

 69, 16.669,
319.596


 29, 16.669,
319.596

 79, 16.669,
319.596

 19, 16.669,
319.596

 89, 16.669,
319.596

 9, 16.669, 319.596

 99, 16.669,
319.596

 0, 16.669, 319.596

 49, 16.669,

 49, 16.669,

319.596

319.596

45, 25.784,
320.029

53, 7.616, 319.153

42, 34.835,
320.443

57, 1.286, 138.872

61, 9.988, 138.362

38, 43.624,
320.816

65, 18.465,
137.973

35, 51.880,
321.119

69, 26.704,
137.614

32, 59.257,
321.315

73, 34.704,
137.283

30, 65.361,
321.364

77, 42.470,
136.979

28, 69.836,
321.226

81, 50.010,
136.700

27, 72.859,
320.924

85, 57.334,

■ 27,73.299,
320.882

136.447

Harmonies

Complementary

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



49, 16.669, 319.596



54, 16.524, 137.943

Rectangle

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



49, 16.669, 319.596



49, 16.669, 9.596



49, 16.669, 139.596



49, 16.669, 189.596

Sweetspot

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



49, 16.667, 319.596



69, 6.641, 319.042



49, 11.641, 281.710



36, 4.441, 319.067



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



49, 16.667, 319.596



61, 24.645, 319.769



49, 14.488, 334.833



26, 4.966, 319.179



25, 71.402, 320.906



0, 1.180, 318.808

Inverse Universe

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



49, 10.762, 5.008



61, 16.026, 5.473



54, 14.390, 152.322



26, 3.155, 3.995



26, 55.559, 27.668



0, 0.739, 3.244

Previews

White Background



This preview shows how the CIELCh color 49, 16.669, 319.596 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, 16.669, 319.596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

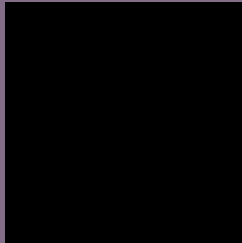
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 16.669, 319.596

Background



This preview shows how black text looks on a background with the CIELCh color 49, 16.669, 319.596.



This preview shows how white text looks on a background with the CIELCh color 49, 16.669, 319.596.

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, 16.669, 319.596

Protanopia

49, 13.550, 285.685

Deuteranopia

49, 12.020, 302.684



Tritanopia
49, 8.372, 341.352

Trichromacy



Original Color
49, 16.669, 319.596

Protanomaly
49, 13.640, 298.266

Deuteranomaly
49, 13.804, 311.334

Tritanomaly
49, 11.395, 330.188

Monochromacy



Original Color
49, 16.669, 319.596

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 5.994, 318.417

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 16.669, 319.596 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(130, 110, 135)` looks like.

```
.text, #text, p{  
    color:rgb(130, 110, 135)  
}
```

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(130, 110, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 110, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 16.669, 319.596 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(130, 110, 135) }
```

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

```
.border{ border-color:rgb(130, 110, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 110, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 110, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 110, 135);  
box-shadow:4px 4px 4px 4px rgb(130, 110,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 16.669, 319.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 110, 135) }
```

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

```
.background{ background-color: rgb(130,  
110, 135) }
```

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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