

Converting Colors

CIELCh(50, 29.474, 348.965)

Have a look what the booklet for
CIELCh(50, 29.474, 348.965)
contains.

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Color

CIELCh(50, 29.696, 349.252)

Conversions

Conversions Part 1

Format	Color
Hex	A26481
RGB	162, 100, 129
RGB Percent	64%, 39%, 51%
CMY	0.3642, 0.6074, 0.4937
CMYK	0.00, 0.38, 0.20, 0.36
HSL	332°, 25%, 51%
HSV	332°, 38%, 64%
XYZ	23.4637, 18.4187, 23.1276
YIQ	121.8440, 27.6430, 22.1630

Conversions

Conversions Part 2

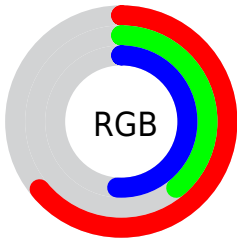
Format	Color
R_{YB}	162, 100, 129
Decimal	10642561
CIE _{Lab}	50.00, 29.18, -5.54
CIE _{LCh}	50, 29.696, 349.252
Yxy	18.4187, 0.3609, 0.2833
Android (android.graphics.Color)	4288832641 (0xFFA26481)
YUV	121.8440, 3.5279, 35.2168
Hunter-Lab	42.9170, 22.4855, -1.9091

Details

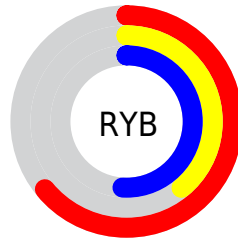
The CIELCh color `50, 29.696, 349.252` is a dark color, and the websafe version is hex `996699`. A complement of this color would be `62, 28.151, 161.717`, and the grayscale version is `51, 0.007, 296.813`.

A 20% lighter version of the original color is `70, 29.655, 349.152`, and `30, 30.048, 349.062` is the 20% darker color. If you saturate the color by 10%, you get `46, 37.249, 350.638`, and if you desaturate by 10%, it is `54, 21.874, 348.064`.

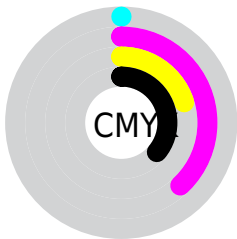
Distribution



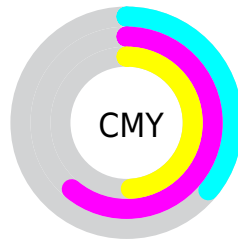
- Red (64%)
- Green (39%)
- Blue (51%)



- Red (64%)
- Yellow (39%)
- Blue (51%)



- Cyan (0%)
- Magenta (38%)
- Yellow (20%)
- Black (36%)





- Cyan (36%)
- Magenta (61%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 29.696, 349.252 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 50, 29.696, 349.252 by changing the saturation by 10% instead.


 50, 29.696,
349.252


 50, 29.696,
349.252


 100, 29.696,
349.252


 40, 29.696,
349.252


 70, 29.696,
349.252

 30, 29.696,
349.252


 80, 29.696,
349.252


 20, 29.696,
349.252

 90, 29.696,
349.252

 10, 29.696,
349.252

 0, 29.696, 349.252

 50, 29.696,
349.252

 50, 29.696,
349.252

46, 37.249,
350.638

54, 21.874,
348.064

43, 44.234,
352.290

58, 14.014,
347.018

40, 50.274,
354.309

63, 6.258, 346.065

67, 1.305, 165.567

37, 54.993,
356.830

72, 8.628, 164.580

36, 58.135, 0.012

77, 15.694,
163.871

35, 59.901, 3.904

81, 22.501,
163.229

34, 60.207, 4.598

86, 29.058,
162.638

91, 35.378,
162.090

Harmonies

Complementary

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



50, 29.696, 349.252



62, 28.151, 161.717

Rectangle

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



50, 29.696, 349.252



50, 29.696, 39.252



50, 29.696, 169.252



50, 29.696, 219.252

Sweetspot

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



50, 29.694, 349.253



79, 10.411, 346.343



48, 38.307, 311.476



41, 7.062, 346.464



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



50, 29.694, 349.253



60, 44.182, 350.434



49, 26.794, 24.086



32, 4.322, 346.162



31, 55.596, 4.136



1, 6.456, 347.979

Inverse Universe

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



50, 29.694, 349.253



60, 44.182, 350.434



62, 20.524, 199.275



32, 4.322, 346.162



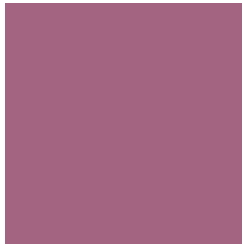
31, 55.596, 4.136



1, 6.456, 347.979

Previews

White Background



This preview shows how the CIE LCh color 50, 29.696, 349.252 looks on a white background.

Color Contrast Check

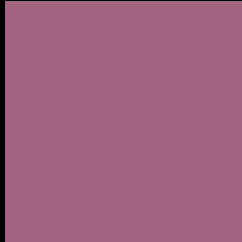
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 50, 29.696, 349.252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

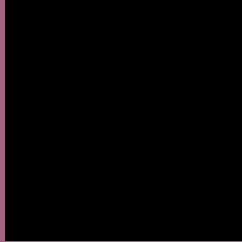
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 29.696, 349.252

Background



This preview shows how black text looks on a background with the CIELCh color 50, 29.696, 349.252.



This preview shows how white text looks on a background with the CIELCh color 50, 29.696, 349.252.

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

50, 29.696, 349.252

Protanopia

50, 13.482, 287.197

Deuteranopia

50, 7.588, 329.907



Tritanopia
50, 24.542, 11.878

Trichromacy



Original Color
50, 29.696, 349.252

Protanomaly
50, 17.330, 319.851

Deuteranomaly
50, 15.600, 341.916

Tritanomaly
50, 26.001, 2.231

Monochromacy



Original Color
50, 29.696, 349.252

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 11.291, 346.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 29.696, 349.252 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(162, 100, 129)` looks like.

```
.text, #text, p{  
    color:rgb(162, 100, 129)  
}
```

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(162, 100, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 100, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 29.696, 349.252 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(162, 100, 129) }
```

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

```
.border{ border-color:rgb(162, 100, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 100, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 100, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 100, 129);  
box-shadow:4px 4px 4px 4px rgb(162, 100,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 29.696, 349.252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 100, 129) }
```

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

```
.background{ background-color: rgb(162,  
100, 129) }
```

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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