

Converting Colors

CIELCh(49, 22.652, 312.344)

Have a look what the booklet for
CIELCh(49, 22.652, 312.344)
contains.

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Color

CIELCh(49, 22.538, 312.070)

Conversions

Conversions Part 1

Format	Color
Hex	816D91
RGB	129, 109, 145
RGB Percent	51%, 43%, 57%
CMY	0.4948, 0.5732, 0.4321
CMYK	0.11, 0.25, 0.00, 0.43
HSL	273°, 14%, 50%
HSV	273°, 25%, 57%
XYZ	19.5750, 17.5941, 29.0812
YIQ	119.0840, 0.3640, 15.4360

Conversions

Conversions Part 2

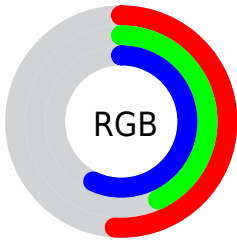
Format	Color
R_{YB}	129, 109, 145
Decimal	8482193
CIE _{Lab}	49.00, 15.10, -16.73
CIE _{LCh}	49, 22.538, 312.070
Yxy	17.5941, 0.2955, 0.2656
Android (android.graphics.Color)	4286672273 (0xFF816D91)
YUV	119.0840, 12.7766, 8.6963
Hunter-Lab	41.9453, 9.8983, -11.7449

Details

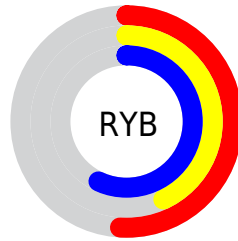
The CIELCh color `49, 22.538, 312.070` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `58, 21.893, 129.901`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 22.291, 311.725`, and `29, 22.477, 312.155` is the 20% darker color. If you saturate the color by 10%, you get `45, 31.914, 312.548`, and if you desaturate by 10%, it is `53, 13.309, 311.606`.

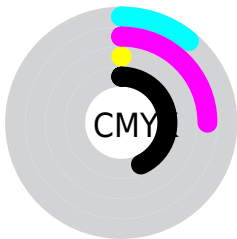
Distribution



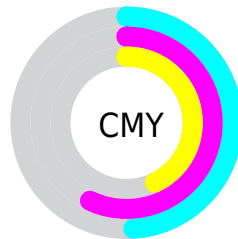
- Red (51%)
- Green (43%)
- Blue (57%)



- Red (51%)
- Yellow (43%)
- Blue (57%)



- Cyan (11%)
- Magenta (25%)
- Yellow (0%)
- Black (43%)




- Cyan (49%)
- Magenta (57%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 22.538, 312.070 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, 22.538, 312.070 by changing the saturation by 10% instead.


 49, 22.538,
312.070


 49, 22.538,
312.070


 100, 22.538,
312.070


 39, 22.538,
312.070

 69, 22.538,
312.070


 29, 22.538,
312.070

 79, 22.538,
312.070

 19, 22.538,
312.070

 89, 22.538,
312.070

 9, 22.538, 312.070

 99, 22.538,
312.070

 0, 22.538, 312.070

 49, 22.538,

 49, 22.538,

312.070

45, 31.914,
312.548

40, 41.332,
313.024

36, 50.603,
313.464

32, 59.434,
313.821

29, 67.398,
314.027

26, 73.955,
313.995

24, 78.611,
313.643

23, 80.749,
313.451

312.070

53, 13.309,
311.606

58, 4.294, 311.157

62, 4.479, 130.809

67, 13.000,
130.433

71, 21.266,
130.107

76, 29.285,
129.818

80, 37.065,
129.563

85, 44.618,
129.339

■ 89, 51.955,
129.144

Harmonies

Complementary

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



49, 22.538, 312.070



58, 21.893, 129.901

Rectangle

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



49, 22.538, 312.070



49, 22.538, 2.070



49, 22.538, 132.070



49, 22.538, 182.070

Sweetspot

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



49, 22.537, 312.070



73, 7.711, 311.262



52, 12.725, 264.300



38, 4.997, 311.284



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



49, 22.537, 312.070



60, 33.963, 312.345



51, 24.248, 327.157



28, 4.967, 311.352



21, 76.746, 313.522



0, 3.317, 310.982

Inverse Universe

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



50, 17.270, 349.048



61, 25.978, 349.697



57, 24.229, 144.181



28, 3.810, 347.482



28, 52.676, 5.985



1, 2.541, 346.752

Previews

White Background



This preview shows how the CIELCh color 49, 22.538, 312.070 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, 22.538, 312.070 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, 22.538, 312.070

Background



This preview shows how black text looks on a background with the CIELCh color 49, 22.538, 312.070.



This preview shows how white text looks on a background with the CIELCh color 49, 22.538, 312.070.

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, 22.538, 312.070

Protanopia

49, 20.057, 285.721

Deuteranopia

49, 17.645, 292.467



Tritanopia
49, 7.183, 332.905

Trichromacy



Original Color
49, 22.538, 312.070

Protanomaly
49, 20.059, 295.847

Deuteranomaly
49, 19.069, 300.339

Tritanomaly
49, 12.684, 319.102

Monochromacy



Original Color
49, 22.538, 312.070

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 8.290, 313.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 22.538, 312.070 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(129, 109, 145)` looks like.

```
.text, #text, p{  
    color:rgb(129, 109, 145)  
}
```

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(129, 109, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 109, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 22.538, 312.070 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(129, 109, 145) }
```

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

```
.border{ border-color:rgb(129, 109, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 109, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 109, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 109, 145);  
box-shadow:4px 4px 4px 4px rgb(129, 109,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 22.538, 312.070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 109, 145) }
```

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

```
.background{ background-color: rgb(129,  
109, 145) }
```

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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