

Converting Colors

CIELCh(49, 64.308, 2.167)

Have a look what the booklet for
CIELCh(49, 64.308, 2.167) contains.

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Color

CIELCh(49, 64.100, 2.066)

Conversions

Conversions Part 1

Format	Color
Hex	D23673
RGB	210, 54, 115
RGB Percent	82%, 21%, 45%
CMY	0.1762, 0.7879, 0.5488
CMYK	0.00, 0.74, 0.45, 0.18
HSL	337°, 63%, 52%
HSV	337°, 74%, 82%
XYZ	31.0154, 17.5941, 17.9962
YIQ	107.5980, 73.3950, 52.0430

Conversions

Conversions Part 2

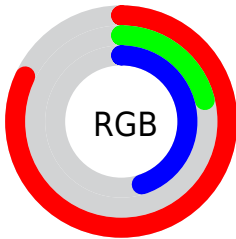
Format	Color
R_{YB}	210, 54, 115
Decimal	13776499
CIE Lab	49.00, 64.06, 2.31
CIE LCh	49, 64.100, 2.066
Yxy	17.5941, 0.4657, 0.2642
Android (android.graphics.Color)	4291966579 (0xFFD23673)
YUV	107.5980, 3.6492, 89.8066
Hunter-Lab	41.9453, 58.5832, 3.9240

Details

The CIELCh color **49, 64.100, 2.066** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **76, 57.156, 160.579**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 58.764, 358.398**, and **32, 56.828, 6.269** is the 20% darker color. If you saturate the color by 10%, you get **47, 68.953, 5.665**, and if you desaturate by 10%, it is **52, 57.542, 359.234**.

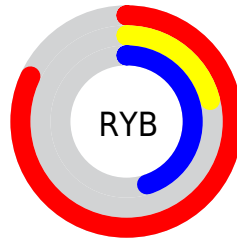
Distribution



Red (82%)

Green (21%)

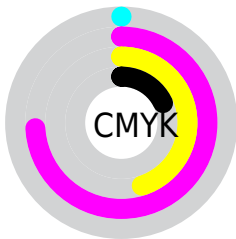
Blue (45%)



Red (82%)

Yellow (21%)

Blue (45%)

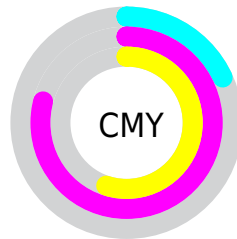


Cyan (0%)

Magenta (74%)

Yellow (45%)

Black (18%)



Cyan (18%)

Magenta (79%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 64.100, 2.066 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, 64.100, 2.066 by changing the saturation by 10% instead.


 49, 64.100, 2.066  49, 64.100, 2.066

 100, 64.100, 2.066  39, 64.100, 2.066



 69, 64.100, 2.066  29, 64.100, 2.066

 79, 64.100, 2.066  19, 64.100, 2.066

 89, 64.100, 2.066  9, 64.100, 2.066

 99, 64.100, 2.066  0, 64.100, 2.066

 49, 64.100, 2.066  49, 64.100, 2.066

 47, 68.953, 5.665  52, 57.542,
359.234

 45, 72.087, 10.176  56, 49.633,
356.987

 45, 73.482, 13.057

61, 40.831,
355.170

65, 31.562,
353.667

71, 22.160,
352.393

76, 12.853,
351.282

82, 3.778, 350.234

88, 4.989, 169.593

93, 13.417,
168.764

Harmonies

Complementary

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



49, 64.100, 2.066



76, 57.156, 160.579

Rectangle

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



49, 64.100, 2.066



49, 64.100, 52.066



49, 64.100, 182.066



49, 64.100, 232.066

Sweetspot

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



49, 64.097, 2.067



86, 23.468, 352.158



44, 89.954, 315.297



44, 15.818, 352.479



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 64.097, 2.067



55, 82.113, 8.136



50, 67.291, 36.182



41, 5.058, 350.782



35, 62.184, 12.148



5, 20.938, 0.645

Inverse Universe

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



49, 64.097, 2.067



55, 82.113, 8.136



72, 36.157, 210.644



41, 5.058, 350.782



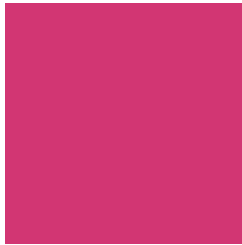
35, 62.184, 12.148



5, 20.938, 0.645

Previews

White Background



This preview shows how the CIELCh color 49, 64.100, 2.066 looks on a white background.

Color Contrast Check

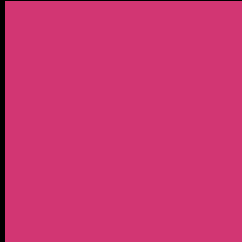
Large Text (above 18pt) WCAG AA ✓ Pass

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, 64.100, 2.066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

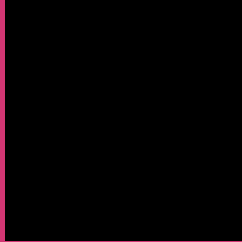
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 64.100, 2.066

Background



This preview shows how black text looks on a background with the CIELCh color 49, 64.100, 2.066.

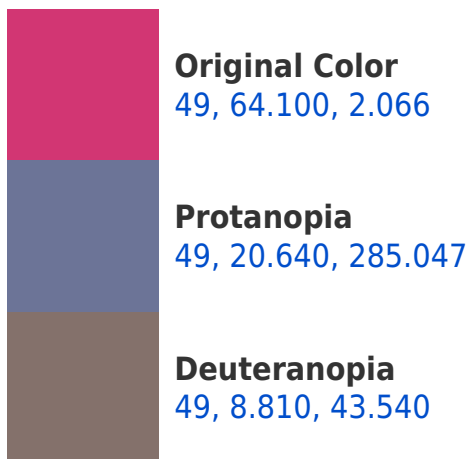


This preview shows how white text looks on a background with the CIELCh color 49, 64.100, 2.066.

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
49, 63.106, 28.429

Trichromacy



Original Color
49, 64.100, 2.066

Protanomaly
47, 32.922, 330.449

Deuteranomaly
47, 30.129, 3.674

Tritanomaly
49, 61.659, 18.745

Monochromacy



Original Color
49, 64.100, 2.066

Achromatopsia
46, 0.006, 296.813

Achromatomaly
44, 26.972, 353.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 64.100, 2.066 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(210, 54, 115)` looks like.

```
.text, #text, p{  
    color:rgb(210, 54, 115)  
}
```

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(210, 54, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 54, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 64.100, 2.066 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(210, 54, 115) }
```

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

```
.border{ border-color:rgb(210, 54, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 54, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 54, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 54, 115);  
box-shadow:4px 4px 4px 4px rgb(210, 54,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 64.100, 2.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 54, 115) }
```

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

```
.background{ background-color: rgb(210, 54,  
115) }
```

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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