

Converting Colors

CIELCh(49, 67.565, 299.596)

Have a look what the booklet for
CIELCh(49, 67.565, 299.596)
contains.

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Color

CIELCh(49, 67.763, 299.633)

Conversions

Conversions Part 1

Format	Color
Hex	6C65D9
RGB	108, 101, 217
RGB Percent	42%, 40%, 85%
CMY	0.5752, 0.6029, 0.1478
CMYK	0.50, 0.53, 0.00, 0.15
HSL	244°, 61%, 62%
HSV	244°, 53%, 85%
XYZ	23.4681, 17.5941, 68.0181
YIQ	116.3170, -33.0640, 37.5600

Conversions

Conversions Part 2

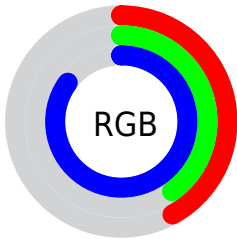
Format	Color
R _Y B	108, 101, 217
Decimal	7103961
CIE Lab	49.00, 33.50, -58.90
CIE LCh	49, 67.763, 299.633
Yxy	17.5941, 0.2151, 0.1613
Android (android.graphics.Color)	4285294041 (0xFF6C65D9)
YUV	116.3170, 49.6367, -7.2940
Hunter-Lab	41.9453, 26.4653, -66.7824

Details

The CIELCh color **49, 67.763, 299.633** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **84, 58.313, 108.043**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 57.001, 299.700**, and **29, 67.621, 299.610** is the 20% darker color. If you saturate the color by 10%, you get **42, 81.710, 301.513**, and if you desaturate by 10%, it is **56, 54.010, 297.890**.

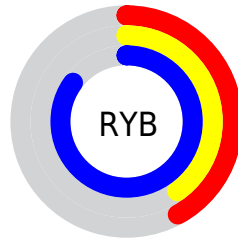
Distribution



Red (42%)

Green (40%)

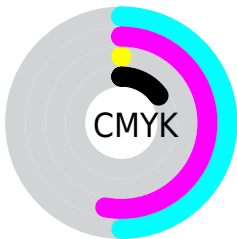
Blue (85%)



Red (42%)

Yellow (40%)

Blue (85%)

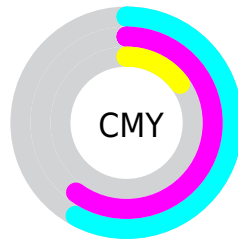


Cyan (50%)

Magenta (53%)

Yellow (0%)

Black (15%)



Cyan (58%)

Magenta (60%)

Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 67.763, 299.633 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, 67.763, 299.633 by changing the saturation by 10% instead.

 49, 67.763,
299.633


 49, 67.763,
299.633


 100, 67.763,
299.633


 39, 67.763,
299.633

 69, 67.763,
299.633


 29, 67.763,
299.633

 79, 67.763,
299.633

 19, 67.763,
299.633

 89, 67.763,
299.633

 9, 67.763, 299.633

 99, 67.763,
299.633

 0, 67.763, 299.633

 49, 67.763,

 49, 67.763,

299.633

299.633

42, 81.710,
301.513

56, 54.010,
297.890

36, 95.200,
303.383

63, 40.708,
296.343

32, 106.936,
304.993

70, 27.929,
295.001

28, 115.067,
306.035

77, 15.670,
293.852

27, 118.306,
306.437

84, 3.903, 292.879

91, 7.406, 112.027

98, 18.289,
111.318

99, 19.053,
108.736

Harmonies

Complementary

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



49, 67.763, 299.633



84, 58.313, 108.043

Rectangle

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



49, 67.763, 299.633



49, 67.763, 349.633



49, 67.763, 119.633



49, 67.763, 169.633

Sweetspot

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



49, 67.763, 299.634



87, 21.422, 294.149



79, 32.341, 202.744



45, 14.524, 294.383



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, 67.763, 299.634



49, 94.040, 301.738



54, 68.538, 313.302



42, 6.637, 293.445



20, 99.899, 306.481



2, 29.676, 296.411

Inverse Universe

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



61, 69.445, 329.057



66, 91.154, 329.581



80, 63.966, 128.361



43, 7.677, 326.624



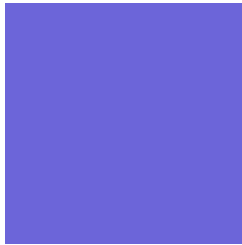
41, 82.539, 330.794



7, 33.126, 330.258

Previews

White Background



This preview shows how the CIELCh color 49, 67.763, 299.633 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, 67.763, 299.633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

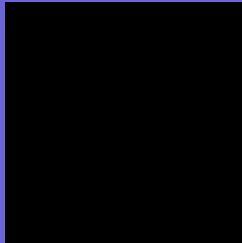
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 67.763, 299.633

Background



This preview shows how black text looks on a background with the CIELCh color 49, 67.763, 299.633.



This preview shows how white text looks on a background with the CIELCh color 49, 67.763, 299.633.

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, 15.234, 220.907

Trichromacy



Original Color
49, 67.763, 299.633

Protanomaly
49, 68.470, 290.984

Deuteranomaly
48, 59.410, 283.726

Tritanomaly
49, 29.386, 279.607

Monochromacy



Original Color
49, 67.763, 299.633

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 24.803, 295.791

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 67.763, 299.633 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(108, 101, 217)` looks like.

```
.text, #text, p{  
    color:rgb(108, 101, 217)  
}
```

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(108, 101, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 101, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 67.763, 299.633 is called "border". The border property can be set on classes, ids or directly on the HTML element.

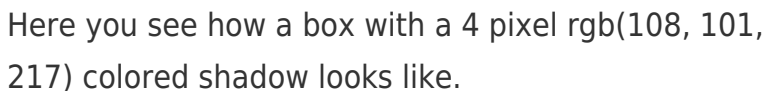
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 101, 217) }
```

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

```
.border{ border-color:rgb(108, 101, 217) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 101, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 101, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 101, 217);  
box-shadow:4px 4px 4px 4px rgb(108, 101,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 67.763, 299.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 101, 217) }
```

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

```
.background{ background-color: rgb(108,  
101, 217) }
```

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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