

Converting Colors

CIELCh(49, 54.004, 299.024)

Have a look what the booklet for
CIELCh(49, 54.004, 299.024)
contains.

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Color

CIELCh(49, 53.996, 299.113)

Conversions

Conversions Part 1

Format	Color
Hex	7169C5
RGB	113, 105, 197
RGB Percent	44%, 41%, 77%
CMY	0.5575, 0.5888, 0.2281
CMYK	0.43, 0.47, 0.00, 0.23
HSL	245°, 44%, 59%
HSV	245°, 47%, 77%
XYZ	21.8816, 17.5941, 54.9608
YIQ	117.8800, -24.7640, 30.3080

Conversions

Conversions Part 2

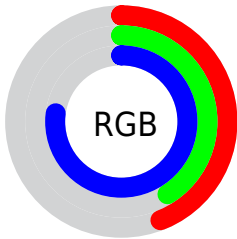
Format	Color
R_{YB}	113, 105, 197
Decimal	7432645
CIE _{Lab}	49.00, 26.27, -47.17
CIE _{LCh}	49, 53.996, 299.113
Yxy	17.5941, 0.2317, 0.1863
Android (android.graphics.Color)	4285622725 (0xFF7169C5)
YUV	117.8800, 39.0062, -4.2798
Hunter-Lab	41.9453, 19.7138, -48.3258

Details

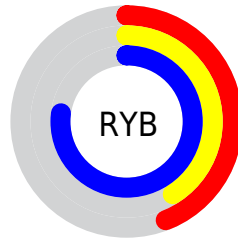
The CIELCh color **49, 53.996, 299.113** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **77, 47.732, 109.773**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 54.075, 299.356**, and **29, 54.113, 299.115** is the 20% darker color. If you saturate the color by 10%, you get **43, 66.737, 300.783**, and if you desaturate by 10%, it is **55, 41.599, 297.607**.

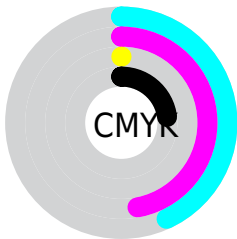
Distribution



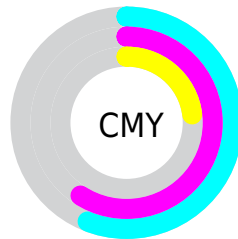
- Red (44%)
- Green (41%)
- Blue (77%)



- Red (44%)
- Yellow (41%)
- Blue (77%)



- Cyan (43%)
- Magenta (47%)
- Yellow (0%)
- Black (23%)




- Cyan (56%)
- Magenta (59%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 53.996, 299.113 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, 53.996, 299.113 by changing the saturation by 10% instead.


 49, 53.996,
299.113


 49, 53.996,
299.113


 100, 53.996,
299.113


 39, 53.996,
299.113

 69, 53.996,
299.113


 29, 53.996,
299.113

 79, 53.996,
299.113

 19, 53.996,
299.113

 89, 53.996,
299.113

 9, 53.996, 299.113

 99, 53.996,
299.113

 0, 53.996, 299.113

 49, 53.996,

 49, 53.996,

299.113

43, 66.737,
300.783

37, 79.502,
302.540

32, 91.559,
304.221

27, 101.583,
305.570

25, 108.016,
306.328

24, 109.656,
306.545

299.113

55, 41.599,
297.607

62, 29.658,
296.286

69, 18.190,
295.146

75, 7.178, 294.171

82, 3.405, 113.323

88, 13.589,
112.616

94, 23.402,
112.006

99, 29.317,
107.949

Harmonies

Complementary

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



49, 53.996, 299.113



77, 47.732, 109.773

Rectangle

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



49, 53.996, 299.113



49, 53.996, 349.113



49, 53.996, 119.113



49, 53.996, 169.113

Sweetspot

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



49, 53.995, 299.114



89, 18.688, 294.886



72, 26.324, 206.689



46, 12.958, 295.112



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, 53.995, 299.114



55, 81.305, 300.806



53, 55.528, 314.033



38, 6.129, 294.415



19, 95.350, 306.595



1, 21.555, 294.036

Inverse Universe

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



58, 55.994, 329.539



69, 80.748, 330.081



74, 52.628, 129.761



39, 6.957, 327.386



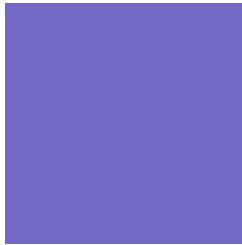
38, 77.360, 331.981



4, 24.814, 330.058

Previews

White Background



This preview shows how the CIELCh color 49, 53.996, 299.113 looks on a white background.

Color Contrast Check

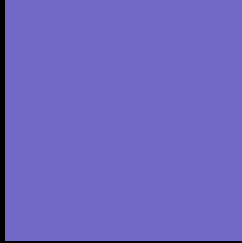
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 49, 53.996, 299.113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

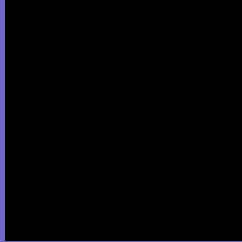
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 53.996, 299.113

Background



This preview shows how black text looks on a background with the CIELCh color 49, 53.996, 299.113.



This preview shows how white text looks on a background with the CIELCh color 49, 53.996, 299.113.

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, 53.996, 299.113

Protanopia
49, 54.128, 286.693

Deuteranopia
49, 46.119, 279.343



Tritanopia
49, 10.430, 233.112

Trichromacy



Original Color
49, 53.996, 299.113

Protanomaly
49, 53.930, 290.697

Deuteranomaly
49, 48.316, 286.407

Tritanomaly
49, 23.747, 283.385

Monochromacy



Original Color
49, 53.996, 299.113

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 20.059, 295.847

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 53.996, 299.113 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(113, 105, 197)` looks like.

```
.text, #text, p{  
    color:rgb(113, 105, 197)  
}
```

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(113, 105, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 105, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 53.996, 299.113 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(113, 105, 197) }
```

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

```
.border{ border-color:rgb(113, 105, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 105, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 105, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 105, 197); box-shadow:4px 4px 4px 4px rgb(113, 105, 197) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 53.996, 299.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 105, 197) }
```

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

```
.background{ background-color: rgb(113,  
105, 197) }
```

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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