

Converting Colors

CIELCh(49, 33.134, 288.718)

Have a look what the booklet for
CIELCh(49, 33.134, 288.718)
contains.

CIELCh(49, 32.935, 288.805)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 32.935, 288.805)

Conversions

Conversions Part 1

Format	Color
Hex	6771A9
RGB	103, 113, 169
RGB Percent	40%, 44%, 66%
CMY	0.5956, 0.5564, 0.3368
CMYK	0.39, 0.33, 0.00, 0.34
HSL	231°, 28%, 53%
HSV	231°, 39%, 66%
XYZ	18.6966, 17.5941, 40.0052
YIQ	116.3940, -23.9360, 15.2960

Conversions

Conversions Part 2

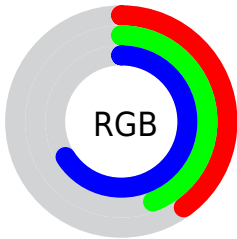
Format	Color
R_{YB}	103, 112, 169
Decimal	6779305
CIE _{Lab}	49.00, 10.62, -31.18
CIE _{LCh}	49, 32.935, 288.805
Yxy	17.5941, 0.2451, 0.2306
Android (android.graphics.Color)	4284969385 (0xFF6771A9)
YUV	116.3940, 25.9348, -11.7465
Hunter-Lab	41.9453, 6.1599, -27.1861

Details

The CIELCh color `49, 32.935, 288.805` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `65, 30.907, 98.852`, and the grayscale version is `49, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 32.464, 288.298`, and `29, 33.477, 289.478` is the 20% darker color. If you saturate the color by 10%, you get `44, 42.128, 290.867`, and if you desaturate by 10%, it is `54, 24.072, 287.026`.

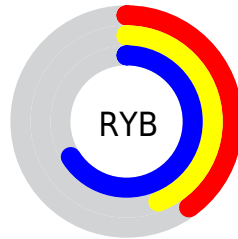
Distribution



Red (40%)

Green (44%)

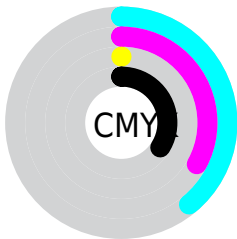
Blue (66%)



Red (40%)

Yellow (44%)

Blue (66%)

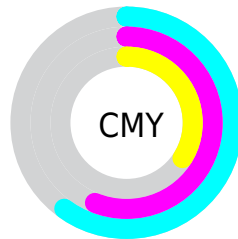


Cyan (39%)

Magenta (33%)

Yellow (0%)

Black (34%)



Cyan (60%)

Magenta (56%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 32.935, 288.805 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, 32.935, 288.805 by changing the saturation by 10% instead.

■ 49, 32.935,
288.805

■ 49, 32.935,
288.805

■ 100, 32.935,
288.805

■ 39, 32.935,
288.805

■ 69, 32.935,
288.805

■ 29, 32.935,
288.805

■ 79, 32.935,
288.805

■ 19, 32.935,
288.805

■ 89, 32.935,
288.805

■ 9, 32.935, 288.805

■ 99, 32.935,
288.805

■ 0, 32.935, 288.805

■ 49, 32.935,

■ 49, 32.935,

288.805

44, 42.128,
290.867

39, 51.662,
293.217

34, 61.483,
295.820

29, 71.385,
298.563

26, 80.870,
301.242

23, 89.085,
303.526

22, 89.788,
303.705

288.805

54, 24.072,
287.026

59, 15.519,
285.503

65, 7.249, 284.205

70, 0.760, 102.917

75, 8.525, 102.092

80, 16.063,
101.264

85, 23.384,
100.540

90, 30.501, 99.906

95, 37.405, 99.543

Harmonies

Complementary

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



49, 32.935, 288.805



65, 30.907, 98.852

Rectangle

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



49, 32.935, 288.805



49, 32.935, 338.805



49, 32.935, 108.805



49, 32.935, 158.805

Sweetspot

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



49, 32.934, 288.805



80, 11.962, 284.596



65, 23.684, 182.328



41, 7.937, 284.752



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



49, 32.934, 288.805



57, 49.785, 290.606



48, 39.704, 305.618



33, 4.528, 284.236



19, 80.686, 303.459



1, 8.346, 284.288

Inverse Universe

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



51, 28.363, 11.616



61, 42.856, 13.277



66, 36.781, 120.934



33, 3.793, 7.771



30, 63.319, 31.883



1, 6.706, 8.699

Previews

White Background



This preview shows how the CIE LCh color 49, 32.935, 288.805 looks on a white background.

Color Contrast Check

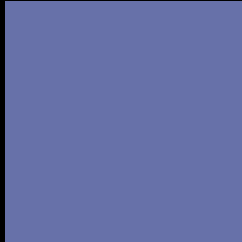
Large Text (above 18pt) WCAG AA ✓ Pass

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, 32.935, 288.805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

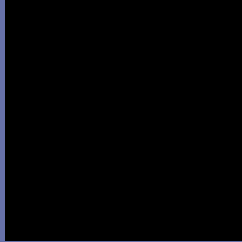
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 32.935, 288.805

Background



This preview shows how black text looks on a background with the CIELCh color 49, 32.935, 288.805.



This preview shows how white text looks on a background with the CIELCh color 49, 32.935, 288.805.

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, 32.935, 288.805

Protanopia

49, 33.060, 285.653

Deuteranopia

49, 32.038, 283.000



Tritanopia
49, 11.035, 227.287

Trichromacy



Original Color
49, 32.935, 288.805

Protanomaly
49, 32.994, 286.673

Deuteranomaly
49, 32.489, 285.394

Tritanomaly
49, 16.675, 266.088

Monochromacy



Original Color
49, 32.935, 288.805

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 11.807, 284.454

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 32.935, 288.805 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(103, 113, 169)` looks like.

```
.text, #text, p{  
    color:rgb(103, 113, 169)  
}
```

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(103, 113, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 113, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 32.935, 288.805 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(103, 113, 169) }
```

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

```
.border{ border-color:rgb(103, 113, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 113, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 113, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 113, 169);  
box-shadow:4px 4px 4px 4px rgb(103, 113,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 32.935, 288.805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 113, 169) }
```

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

```
.background{ background-color: rgb(103,  
113, 169) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor