

# Converting Colors

CIELCh(49, 23.592, 285.719)

Have a look what the booklet for  
CIELCh(49, 23.592, 285.719)  
contains.

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# Color

**CIELCh(49, 23.592, 285.719)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6A739B
RGB	106, 115, 155
RGB Percent	42%, 45%, 61%
CMY	0.5855, 0.5502, 0.3934
CMYK	0.32, 0.26, 0.00, 0.39
HSL	229°, 20%, 51%
HSV	229°, 32%, 61%
XYZ	17.8934, 17.5941, 33.3222
YIQ	116.8690, -18.2040, 10.5320

# Conversions

## Conversions Part 2

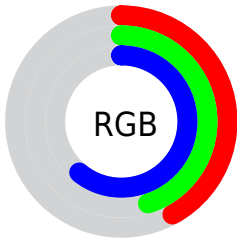
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	106, 114, 155
Decimal	6976411
CIE <sub>Lab</sub>	49.00, 6.39, -22.71
CIE <sub>LCh</sub>	49, 23.592, 285.719
Yxy	17.5941, 0.2600, 0.2557
Android (android.graphics.Color)	4285166491 (0xFF6A739B)
YUV	116.8690, 18.7986, -9.5321
Hunter-Lab	41.9453, 2.7420, -17.7395

# Details

The CIELCh color `49, 23.592, 285.719` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `60, 22.655, 97.789`, and the grayscale version is `49, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 23.726, 285.259`, and `29, 23.898, 286.358` is the 20% darker color. If you saturate the color by 10%, you get `44, 31.549, 287.591`, and if you desaturate by 10%, it is `54, 15.893, 284.111`.

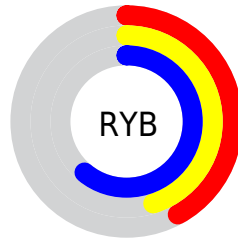
# Distribution



Red (42%)

Green (45%)

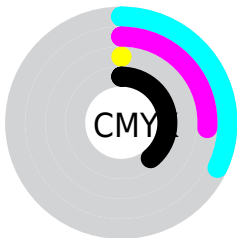
Blue (61%)



Red (42%)

Yellow (45%)

Blue (61%)

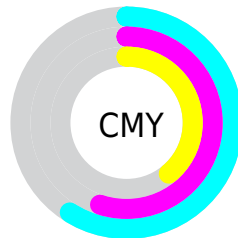


Cyan (32%)

Magenta (26%)

Yellow (0%)

Black (39%)



Cyan (59%)

Magenta (55%)

Yellow (39%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 23.592, 285.719 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, 23.592, 285.719 by changing the saturation by 10% instead.





 49, 23.592,  
285.719


 49, 23.592,  
285.719


 100, 23.592,  
285.719

 39, 23.592,  
285.719

 69, 23.592,  
285.719

 29, 23.592,  
285.719

 79, 23.592,  
285.719

 19, 23.592,  
285.719

 89, 23.592,  
285.719

 9, 23.592, 285.719

 99, 23.592,  
285.719

 0, 23.592, 285.719

 49, 23.592,

 49, 23.592,

285.719

285.719

■ 44, 31.549,  
287.591

■ 54, 15.893,  
284.111

■ 40, 39.791,  
289.754

■ 58, 8.434, 282.737

■ 35, 48.325,  
292.213

■ 63, 1.195, 281.640

■ 68, 5.839, 100.493

■ 31, 57.113,  
294.928

■ 72, 12.679, 99.618

■ 27, 65.992,  
297.788

■ 77, 19.335, 98.849

■ 82, 25.816, 98.173

■ 23, 74.564,  
300.593

■ 86, 32.129, 97.577

■ 21, 81.016,  
302.605

■ 91, 38.283, 97.048

# Harmonies

# Complementary

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



49, 23.592, 285.719



60, 22.655, 97.789

# Rectangle

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



49, 23.592, 285.719



49, 23.592, 335.719



49, 23.592, 105.719



49, 23.592, 155.719

# Sweetspot

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



49, 23.591, 285.718



75, 8.946, 282.554



60, 18.629, 180.367



39, 6.163, 282.717



91, 0.011, 296.813



43, 0.006, 296.813



# Same Dimension

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



49, 23.591, 285.718



59, 35.510, 287.015



48, 29.517, 303.920



30, 4.035, 282.434



18, 74.872, 302.383



1, 4.325, 281.536





# Inverse Universe

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



50, 21.136, 7.954



61, 31.890, 9.058



62, 27.731, 120.005



30, 3.537, 5.251



29, 59.495, 29.324

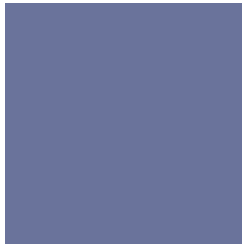


1, 3.730, 4.726



# Previews

## White Background



This preview shows how the CIELCh color 49, 23.592, 285.719 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, 23.592, 285.719 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

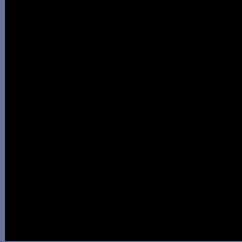
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

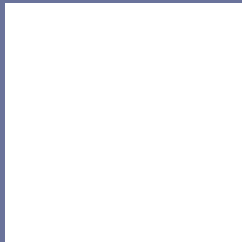
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 49, 23.592, 285.719**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 49, 23.592, 285.719.



This preview shows how white text looks on a background with the CIELCh color 49, 23.592, 285.719.

# 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

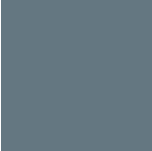
49, 23.592, 285.719

### Protanopia

49, 23.629, 284.921

### Deuteranopia

49, 23.592, 285.719



**Tritanopia**  
49, 9.057, 239.476



# Trichromacy



**Original Color**  
49, 23.592, 285.719

**Protanomaly**  
49, 23.629, 284.921

**Deuteranomaly**  
49, 23.592, 285.719

**Tritanomaly**  
49, 13.316, 267.738

# Monochromacy



**Original Color**  
49, 23.592, 285.719

**Achromatopsia**  
49, 0.007, 296.813

**Achromatomaly**  
49, 8.863, 283.933

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 49, 23.592, 285.719 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(106, 115, 155)` looks like.

```
.text, #text, p{  
    color:rgb(106, 115, 155)  
}
```

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(106, 115, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 115, 155) }
```

## Border

The CSS property to change the border of an element to CIELCh 49, 23.592, 285.719 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(106, 115, 155) }
```

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

```
.border{ border-color:rgb(106, 115, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 115, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 115, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 115, 155);  
box-shadow:4px 4px 4px 4px rgb(106, 115,  
155) }
```

# Background

The CSS property to change the background color of an element to CIELCh 49, 23.592, 285.719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 115, 155) }
```

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

```
.background{ background-color: rgb(106,  
115, 155) }
```

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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