

# Converting Colors

CIELCh(71, 24.351, 292.170)

Have a look what the booklet for  
CIELCh(71, 24.351, 292.170)  
contains.

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# Color

**CIELCh(71, 24.610, 292.561)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAAAD7
RGB	170, 170, 215
RGB Percent	67%, 67%, 84%
CMY	0.3334, 0.3334, 0.1570
CMYK	0.21, 0.21, 0.00, 0.16
HSL	240°, 36%, 75%
HSV	240°, 21%, 84%
XYZ	43.2037, 42.1875, 70.1371
YIQ	175.1300, -14.4450, 13.9950

# Conversions

## Conversions Part 2

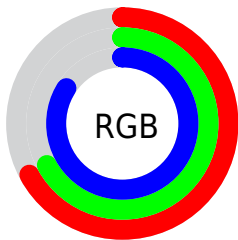
Format	Color
<b>RYB</b>	170, 170, 215
Decimal	11184855
CIELab	71.00, 9.44, -22.73
CIELCh	71, 24.610, 292.561
Yxy	42.1875, 0.2778, 0.2713
Android (android.graphics.Color)	4289374935 (0xFFAAAAD7)
YUV	175.1300, 19.6559, -4.4990
Hunter-Lab	64.9519, 5.0660, -18.5569

# Details

The CIELCh color  $71, 24.610, 292.561$  is a light color, and the websafe version is hex `9999CC`. A complement of this color would be  $85, 23.441, 108.151$ , and the grayscale version is  $71, 0.009, 296.813$ .

A 20% lighter version of the original color is  $90, 15.605, 292.671$ , and  $51, 24.509, 292.428$  is the 20% darker color. If you saturate the color by 10%, you get  $64, 37.143, 294.020$ , and if you desaturate by 10%, it is  $78, 12.594, 291.322$ .

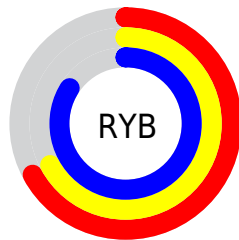
# Distribution



Red (67%)

Green (67%)

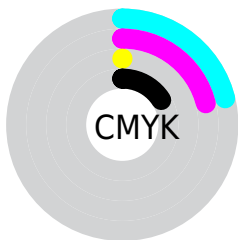
Blue (84%)



Red (67%)

Yellow (67%)

Blue (84%)

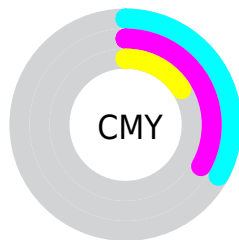


Cyan (21%)

Magenta (21%)

Yellow (0%)

Black (16%)



Cyan (33%)

Magenta (33%)


Yellow (16%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 24.610, 292.561 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 71, 24.610, 292.561 by changing the saturation by 10% instead.





 71, 24.610,  
292.561


 71, 24.610,  
292.561


 100, 24.610,  
292.561


 61, 24.610,  
292.561


 91, 24.610,  
292.561

 51, 24.610,  
292.561

 41, 24.610,  
292.561

 31, 24.610,  
292.561

 21, 24.610,  
292.561

 11, 24.610,  
292.561

 1, 24.610, 292.561

0, 24.610, 292.561

71, 24.610,  
292.561

71, 24.610,  
292.561

64, 37.143,  
294.020

78, 12.594,  
291.322

57, 50.221,  
295.726

85, 1.061, 290.329

50, 63.814,  
297.680

92, 10.025,  
109.368

43, 77.745,  
299.834

99, 20.230,  
108.646

37, 91.483,  
302.051

32, 103.846,  
304.070

■ 28, 112.954,  
305.542

■ 26, 117.634,  
306.287

# Harmonies

# Complementary

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



71, 24.610, 292.561



85, 23.441, 108.151

# Rectangle

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



71, 24.610, 292.561



71, 24.610, 342.561



71, 24.610, 112.561



71, 24.610, 162.561

# Sweetspot

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



71, 24.608, 292.560



95, 7.867, 290.792



83, 15.378, 196.857



50, 5.224, 290.861



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



71, 24.608, 292.560



79, 34.065, 293.160



73, 25.746, 309.486



41, 6.500, 291.152



20, 99.121, 306.287



2, 27.576, 294.041



# Inverse Universe

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



74, 17.608, 20.919



83, 24.560, 21.361



83, 24.992, 127.520



42, 4.550, 19.926



35, 77.347, 39.897

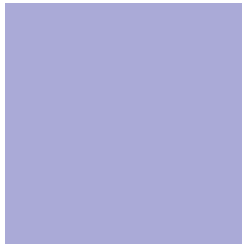


5, 22.000, 19.765



# Previews

## White Background



This preview shows how the CIELCh color 71, 24.610, 292.561 looks on a white background.

## Color Contrast Check

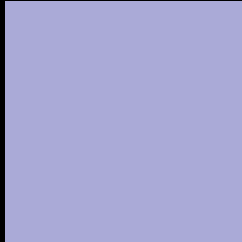
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 71, 24.610, 292.561 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

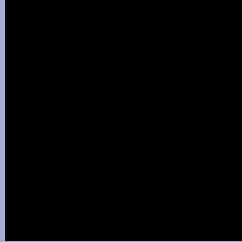
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 71, 24.610, 292.561

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 24.610, 292.561.



This preview shows how white text looks on a background with the CIELCh color 71, 24.610, 292.561.

# 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

71, 24.610, 292.561

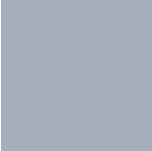
### Protanopia

71, 24.140, 285.406

### Deuteranopia

71, 24.610, 292.561





**Tritanopia**  
71, 8.362, 265.635

# Trichromacy



**Original Color**  
71, 24.610, 292.561

**Protanomaly**  
71, 24.611, 288.682

**Deuteranomaly**  
71, 24.610, 292.561

**Tritanomaly**  
71, 13.771, 282.744

# Monochromacy



**Original Color**  
71, 24.610, 292.561

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
71, 9.286, 291.094

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 24.610, 292.561 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(170, 170, 215)` looks like.

```
.text, #text, p{  
    color:rgb(170, 170, 215)  
}
```

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(170, 170, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 170, 215) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 24.610, 292.561 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(170, 170, 215) }
```

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

```
.border{ border-color:rgb(170, 170, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 170, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 170, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 170, 215);  
box-shadow:4px 4px 4px 4px rgb(170, 170,  
215) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 24.610, 292.561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 170, 215) }
```

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

```
.background{ background-color: rgb(170,  
170, 215) }
```

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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