

# Converting Colors

CIELCh(61, 20.839, 292.451)

Have a look what the booklet for  
CIELCh(61, 20.839, 292.451)  
contains.

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# Color

**CIELCh(61, 20.865, 292.465)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9090B5
RGB	144, 144, 181
RGB Percent	56%, 56%, 71%
CMY	0.4350, 0.4350, 0.2899
CMYK	0.20, 0.20, 0.00, 0.29
HSL	240°, 20%, 64%
HSV	240°, 20%, 71%
XYZ	29.8514, 29.2481, 47.8350
YIQ	148.2180, -11.8770, 11.5070

# Conversions

## Conversions Part 2

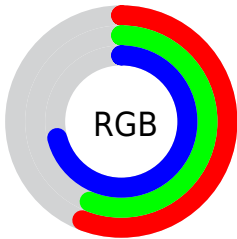
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">144, 144, 181</a>
Decimal	<a href="#">9474229</a>
CIELab	<a href="#">61.00, 7.97, -19.28</a>
CIELCh	<a href="#">61, 20.865, 292.465</a>
Yxy	<a href="#">29.2481, 0.2792, 0.2735</a>
Android (android.graphics.Color)	<a href="#">4287664309</a> ( <a href="#">0xFF9090B5</a> )
YUV	<a href="#">148.2180, 16.1615, -3.6992</a>
Hunter-Lab	<a href="#">54.0815, 3.8840, -14.5848</a>

# Details

The CIELCh color  $61, 20.865, 292.465$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $73, 19.911, 108.224$ , and the grayscale version is  $61, 0.008, 296.813$ .

A 20% lighter version of the original color is  $81, 20.753, 291.993$ , and  $41, 20.654, 292.207$  is the 20% darker color. If you saturate the color by 10%, you get  $55, 31.730, 293.889$ , and if you desaturate by 10%, it is  $67, 10.442, 291.254$ .

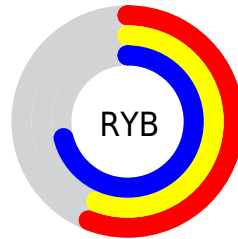
# Distribution



Red (56%)

Green (56%)

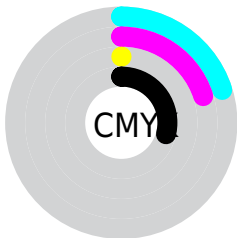
Blue (71%)



Red (56%)

Yellow (56%)

Blue (71%)

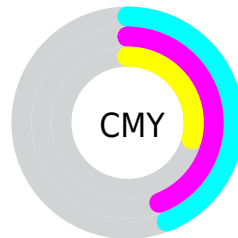


Cyan (20%)

Magenta (20%)

Yellow (0%)

Black (29%)



Cyan (44%)

Magenta (44%)


Yellow (29%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 20.865, 292.465 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 61, 20.865, 292.465 by changing the saturation by 10% instead.





 61, 20.865,  
292.465


 61, 20.865,  
292.465


 100, 20.865,  
292.465


 51, 20.865,  
292.465


 81, 20.865,  
292.465

 41, 20.865,  
292.465

 91, 20.865,  
292.465

 31, 20.865,  
292.465

 21, 20.865,  
292.465

 11, 20.865,  
292.465

 1, 20.865, 292.465

 0, 20.865, 292.465

61, 20.865,  
292.465

61, 20.865,  
292.465

55, 31.730,  
293.889

67, 10.442,  
291.254

49, 43.063,  
295.553

73, 0.434, 290.356

42, 54.845,  
297.461

80, 9.193, 109.337

37, 66.945,  
299.573

86, 18.466,  
108.595

31, 78.958,  
301.769

92, 27.412,  
107.959

27, 89.960,  
303.811

98, 36.052,  
107.411

23, 98.409,  
305.366

98, 37.111,  
107.348

21, 103.491,



# Harmonies

# Complementary

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



61, 20.865, 292.465



73, 19.911, 108.224

# Rectangle

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



61, 20.865, 292.465



61, 20.865, 342.465



61, 20.865, 112.465



61, 20.865, 162.465

# Sweetspot

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



61, 20.864, 292.464



88, 7.352, 290.791



71, 13.087, 196.898



46, 4.878, 290.856



96, 0.011, 296.813



49, 0.007, 296.813





# Same Dimension

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



61, 20.864, 292.464



74, 31.832, 293.145



62, 21.839, 309.447



35, 5.722, 291.134



17, 92.504, 306.287



1, 15.385, 290.297



# Inverse Universe

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



63, 14.909, 20.852



77, 22.945, 21.352



71, 21.222, 127.555



36, 4.004, 19.915



32, 71.870, 39.599



2, 10.638, 19.405



# Previews

## White Background



This preview shows how the CIELCh color 61, 20.865, 292.465 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the CIE LCh color 61, 20.865, 292.465 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

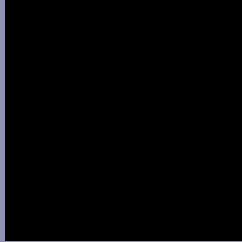
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 61, 20.865, 292.465

## Background



This preview shows how black text looks on a background with the CIELCh color 61, 20.865, 292.465.



This preview shows how white text looks on a background with the CIELCh color 61, 20.865, 292.465.

# 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

61, 20.865, 292.465

### Protanopia

61, 20.383, 284.650

### Deuteranopia

61, 20.865, 292.465





**Tritanopia**  
61, 7.310, 267.125

# Trichromacy



**Original Color**  
61, 20.865, 292.465

**Protanomaly**  
61, 20.878, 287.731

**Deuteranomaly**  
61, 20.865, 292.465

**Tritanomaly**  
61, 11.970, 281.068

# Monochromacy



**Original Color**  
61, 20.865, 292.465

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
61, 7.318, 290.994

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 20.865, 292.465 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(144, 144, 181)` looks like.

```
.text, #text, p{  
    color:rgb(144, 144, 181)  
}
```

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(144, 144, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 144, 181) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 20.865, 292.465 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(144, 144, 181) }
```

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

```
.border{ border-color:rgb(144, 144, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 144, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 144, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 144, 181);  
box-shadow:4px 4px 4px 4px rgb(144, 144,  
181) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 20.865, 292.465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 144, 181) }
```

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

```
.background{ background-color: rgb(144,  
144, 181) }
```

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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