

# Converting Colors

CIELCh(65, 20.882, 273.615)

Have a look what the booklet for  
CIELCh(65, 20.882, 273.615)  
contains.

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# **Color**

**CIELCh(65, 20.861, 273.589)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8B9FC3
RGB	139, 159, 195
RGB Percent	55%, 62%, 76%
CMY	0.4564, 0.3779, 0.2368
CMYK	0.29, 0.18, 0.00, 0.24
HSL	219°, 32%, 65%
HSV	219°, 29%, 76%
XYZ	32.7253, 34.0472, 56.2464
YIQ	157.1240, -23.4760, 6.9560

# Conversions

## Conversions Part 2

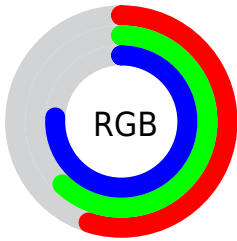
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 154, 195
Decimal	9150403
CIELab	65.00, 1.31, -20.82
CIELCh	65, 20.861, 273.589
Yxy	34.0472, 0.2660, 0.2768
Android (android.graphics.Color)	4287340483 (0xFF8B9FC3)
YUV	157.1240, 18.6729, -15.8947
Hunter-Lab	58.3500, -2.0016, -16.3075

# Details

The CIELCh color  $65, 20.861, 273.589$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $72, 21.179, 85.453$ , and the grayscale version is  $65, 0.008, 296.813$ .

A 20% lighter version of the original color is  $85, 20.909, 272.786$ , and  $45, 20.628, 272.672$  is the 20% darker color. If you saturate the color by 10%, you get  $60, 28.290, 275.646$ , and if you desaturate by 10%, it is  $70, 13.525, 271.832$ .

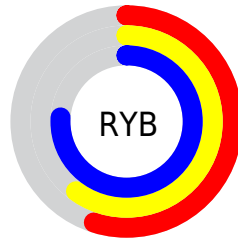
# Distribution



Red (55%)

Green (62%)

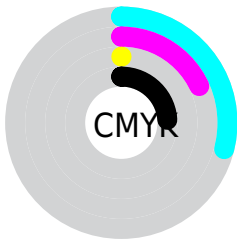
Blue (76%)



Red (55%)

Yellow (60%)

Blue (76%)

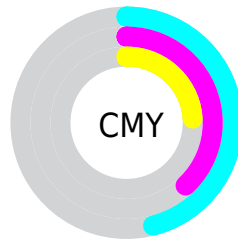


Cyan (29%)

Magenta (18%)

Yellow (0%)

Black (24%)



Cyan (46%)

Magenta (38%)


Yellow (24%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 20.861, 273.589 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 65, 20.861, 273.589 by changing the saturation by 10% instead.





 65, 20.861,  
273.589


 65, 20.861,  
273.589


 100, 20.861,  
273.589


 55, 20.861,  
273.589


 85, 20.861,  
273.589

 45, 20.861,  
273.589

 95, 20.861,  
273.589

 35, 20.861,  
273.589

 25, 20.861,  
273.589

 15, 20.861,  
273.589

 5, 20.861, 273.589

 0, 20.861, 273.589

65, 20.861,  
273.589

65, 20.861,  
273.589

60, 28.290,  
275.646

70, 13.525,  
271.832

56, 35.830,  
278.052

74, 6.283, 270.347

79, 0.868, 88.721

51, 43.506,  
280.837

84, 7.923, 87.863

47, 51.355,  
284.006

89, 14.879, 86.907

42, 59.413,  
287.514

93, 21.671, 86.435

96, 26.394,  
100.824

38, 67.673,  
291.239

99, 30.419,  
107.865

35, 76.032,  
294.929

34, 77.064,

295.347

# Harmonies

# Complementary

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



65, 20.861, 273.589



72, 21.179, 85.453

# Rectangle

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



65, 20.861, 273.589



65, 20.861, 323.589



65, 20.861, 93.589



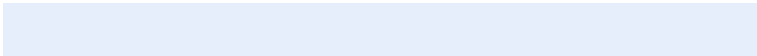
65, 20.861, 143.589

# Sweetspot

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



65, 20.860, 273.587



94, 7.968, 270.397



74, 22.972, 168.714



50, 5.587, 270.602



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



65, 20.860, 273.587



79, 31.484, 274.947



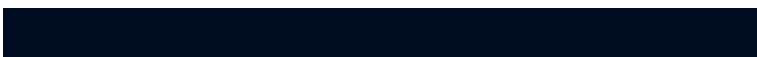
60, 31.814, 298.097



38, 4.050, 270.428



28, 65.852, 294.794



3, 14.768, 278.728



# Inverse Universe

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



64, 24.407, 355.141



77, 36.898, 356.072



77, 29.764, 113.208



38, 4.658, 352.925



34, 60.543, 15.141

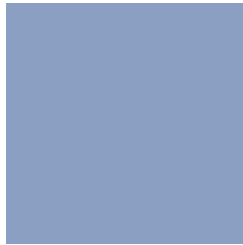


3, 14.865, 0.509



# Previews

## White Background



This preview shows how the CIELCh color 65, 20.861, 273.589 looks on a white background.

## Color Contrast Check

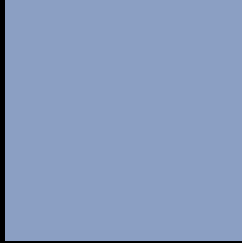
Large Text (above 18pt) WCAG AA × Fail

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 65, 20.861, 273.589 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

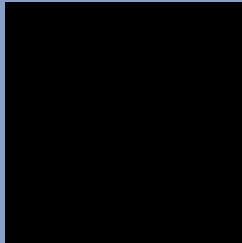
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 65, 20.861, 273.589

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 20.861, 273.589.



This preview shows how white text looks on a background with the CIELCh color 65, 20.861, 273.589.

# 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

65, 20.861, 273.589

### Protanopia

65, 20.659, 285.681

### Deuteranopia

65, 23.386, 291.780





**Tritanopia**  
65, 11.999, 235.966

# Trichromacy



**Original Color**  
65, 20.861, 273.589

**Protanomaly**  
65, 20.851, 281.097

**Deuteranomaly**  
65, 21.789, 285.291

**Tritanomaly**  
65, 14.270, 254.183

# Monochromacy



**Original Color**  
65, 20.861, 273.589

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
65, 7.735, 268.801

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 20.861, 273.589 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(139, 159, 195)` looks like.

```
.text, #text, p{  
    color:rgb(139, 159, 195)  
}
```

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(139, 159, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 159, 195) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 20.861, 273.589 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(139, 159, 195) }
```

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

```
.border{ border-color:rgb(139, 159, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 159, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 159, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 159, 195);  
box-shadow:4px 4px 4px 4px rgb(139, 159,  
195) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 20.861, 273.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 159, 195) }
```

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

```
.background{ background-color: rgb(139,  
159, 195) }
```

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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