

# Converting Colors

CIELCh(65, 24.986, 269.206)

Have a look what the booklet for  
CIELCh(65, 24.986, 269.206)  
contains.

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# **Color**

**CIELCh(65, 24.963, 269.169)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	81A0CA
RGB	129, 160, 202
RGB Percent	51%, 63%, 79%
CMY	0.4943, 0.3728, 0.2081
CMYK	0.36, 0.21, 0.00, 0.21
HSL	215°, 41%, 65%
HSV	215°, 36%, 79%
XYZ	32.2603, 34.0472, 60.7131
YIQ	155.5190, -31.9580, 6.4900

# Conversions

## Conversions Part 2

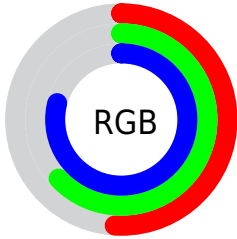
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 151, 202
Decimal	8495306
CIE <sub>Lab</sub>	65.00, -0.36, -24.96
CIE <sub>LCh</sub>	65, 24.963, 269.169
Yxy	34.0472, 0.2540, 0.2680
Android (android.graphics.Color)	4286685386 (0xFF81A0CA)
YUV	155.5190, 22.9151, -23.2572
Hunter-Lab	58.3500, -3.4242, -20.8463

# Details

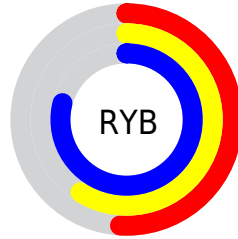
The CIELCh color `65, 24.963, 269.169` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `72, 26.376, 78.373`, and the grayscale version is `64, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 22.916, 266.377`, and `45, 24.967, 268.637` is the 20% darker color. If you saturate the color by 10%, you get `61, 31.882, 271.564`, and if you desaturate by 10%, it is `69, 18.046, 267.133`.

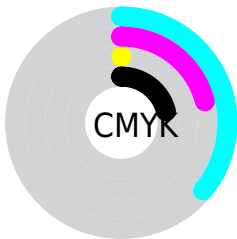
# Distribution



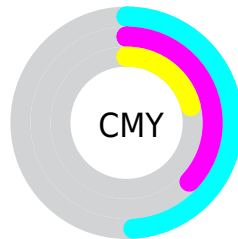
- Red (51%)
- Green (63%)
- Blue (79%)



- Red (51%)
- Yellow (59%)
- Blue (79%)



- Cyan (36%)
- Magenta (21%)
- Yellow (0%)
- Black (21%)




- Cyan (49%)
- Magenta (37%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 24.963, 269.169 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, 24.963, 269.169 by changing the saturation by 10% instead.





 65, 24.963,  
269.169


 65, 24.963,  
269.169


 100, 24.963,  
269.169


 55, 24.963,  
269.169


 85, 24.963,  
269.169

 45, 24.963,  
269.169

 95, 24.963,  
269.169

 35, 24.963,  
269.169

 25, 24.963,  
269.169

 15, 24.963,  
269.169

 5, 24.963, 269.169

 0, 24.963, 269.169

65, 24.963,  
269.169

65, 24.963,  
269.169

61, 31.882,  
271.564

69, 18.046,  
267.133

56, 38.819,  
274.368

74, 11.134,  
265.411

52, 45.806,  
277.603

79, 4.236, 263.980

48, 52.899,  
281.254

83, 2.636, 82.526

44, 60.156,  
285.233

88, 9.469, 81.524

41, 67.607,  
289.367

92, 16.252, 80.595

39, 70.536,  
290.874

95, 20.731, 94.095

98, 25.756,  
106.446

99, 26.763,  
108.146



# Harmonies

# Complementary

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



65, 24.963, 269.169



72, 26.376, 78.373

# Rectangle

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



65, 24.963, 269.169



65, 24.963, 319.169



65, 24.963, 89.169



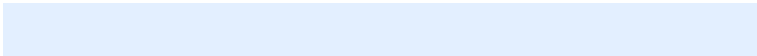
65, 24.963, 139.169

# Sweetspot

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



65, 24.962, 269.168



94, 9.162, 264.657



76, 31.010, 163.819



49, 6.157, 264.857



0, 0.000, 0.000



53, 0.007, 296.813



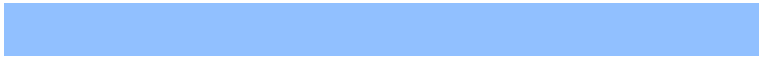


# Same Dimension

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



65, 24.962, 269.168



77, 35.896, 270.914



57, 41.738, 296.906



41, 3.941, 264.410



32, 60.002, 290.256



5, 16.563, 276.980



# Inverse Universe

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



62, 32.812, 351.730



73, 47.137, 352.802



79, 38.144, 109.697



40, 5.059, 348.703



35, 61.205, 8.821

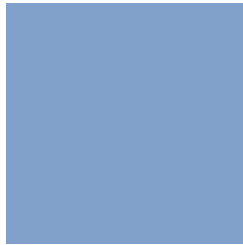


4, 19.265, 358.102



# Previews

## White Background



This preview shows how the CIE LCh color 65, 24.963, 269.169 looks on a white background.

## Color Contrast Check

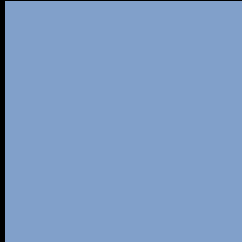
Large Text (above 18pt) WCAG AA × Fail

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, 24.963, 269.169 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

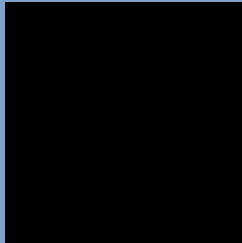
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

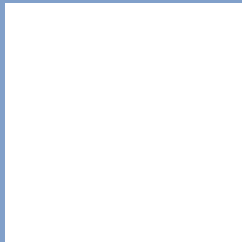
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 65, 24.963, 269.169**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 65, 24.963, 269.169.



This preview shows how white text looks on a background with the CIELCh color 65, 24.963, 269.169.

# 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, 24.963, 269.169

### Protanopia

65, 24.016, 285.465

### Deuteranopia

65, 26.739, 287.978





**Tritanopia**  
65, 15.492, 226.373

# Trichromacy



**Original Color**  
65, 24.963, 269.169

**Protanomaly**  
65, 24.371, 279.397

**Deuteranomaly**  
65, 25.923, 281.195

**Tritanomaly**  
65, 17.622, 245.485

# Monochromacy



**Original Color**  
65, 24.963, 269.169

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
64, 9.161, 265.377

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 24.963, 269.169 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(129, 160, 202)` looks like.

```
.text, #text, p{  
    color:rgb(129, 160, 202)  
}
```

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(129, 160, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 160, 202) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 24.963, 269.169 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(129, 160, 202) }
```

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

```
.border{ border-color:rgb(129, 160, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 160, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 160, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 160, 202);  
box-shadow:4px 4px 4px 4px rgb(129, 160,  
202) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 24.963, 269.169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 160, 202) }
```

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

```
.background{ background-color: rgb(129,  
160, 202) }
```

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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