

# Converting Colors

CIELCh(65, 23.646, 224.599)

Have a look what the booklet for  
CIELCh(65, 23.646, 224.599)  
contains.

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**Color**

**CIELCh(65, 23.698, 224.525)**

# Conversions

## Conversions Part 1

Format	Color
Hex	62A8BB
RGB	98, 168, 187
RGB Percent	38%, 66%, 73%
CMY	0.6169, 0.3424, 0.2679
CMYK	0.48, 0.10, 0.00, 0.27
HSL	193°, 39%, 56%
HSV	193°, 48%, 73%
XYZ	27.8865, 34.0472, 51.9421
YIQ	149.2360, -47.8190, -8.9310

# Conversions

## Conversions Part 2

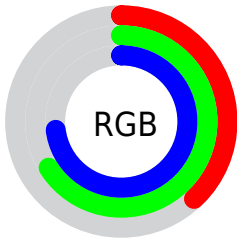
Format	Color
<b>RYB</b>	98, 137, 187
Decimal	6465723
CIELab	65.00, -16.90, -16.62
CIElCh	65, 23.698, 224.525
Yxy	34.0472, 0.2449, 0.2990
Android (android.graphics.Color)	4284655803 (0xFF62A8BB)
YUV	149.2360, 18.6177, -44.9340
Hunter-Lab	58.3500, -16.8040, -11.9339

# Details

The CIELCh color **65, 23.698, 224.525** is a light color, and the websafe version is hex **669999**. A complement of this color would be **56, 33.617, 40.917**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 23.549, 224.872**, and **45, 23.730, 224.551** is the 20% darker color. If you saturate the color by 10%, you get **63, 27.206, 226.083**, and if you desaturate by 10%, it is **67, 19.583, 223.337**.

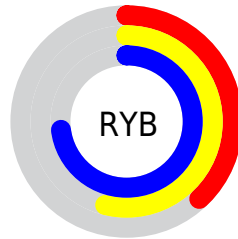
# Distribution



Red (38%)

Green (66%)

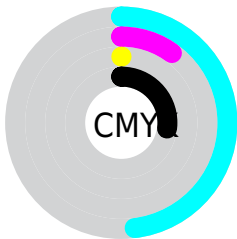
Blue (73%)



Red (38%)

Yellow (54%)

Blue (73%)

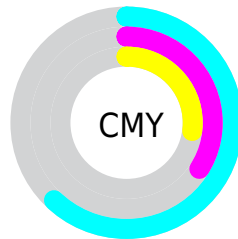


Cyan (48%)

Magenta (10%)

Yellow (0%)

Black (27%)



Cyan (62%)

Magenta (34%)


Yellow (27%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 23.698, 224.525 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, 23.698, 224.525 by changing the saturation by 10% instead.





 65, 23.698,  
224.525


 65, 23.698,  
224.525


 100, 23.698,  
224.525


 55, 23.698,  
224.525


 85, 23.698,  
224.525

 45, 23.698,  
224.525

 95, 23.698,  
224.525

 35, 23.698,  
224.525

 25, 23.698,  
224.525

 15, 23.698,  
224.525

 5, 23.698, 224.525

 0, 23.698, 224.525

65, 23.698,  
224.525

65, 23.698,  
224.525

63, 27.206,  
226.083

67, 19.583,  
223.337

61, 30.053,  
228.097

69, 14.937,  
222.453

60, 32.224,  
230.653

71, 9.844, 221.816

74, 4.387, 221.414

58, 33.760,  
233.825

76, 1.357, 40.598

57, 34.801,  
237.610

79, 7.322, 40.699

56, 35.033,  
238.511

82, 13.452, 40.611

84, 19.699, 40.571

86, 22.018, 44.100

# Harmonies

# Complementary

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



65, 23.698, 224.525



56, 33.617, 40.917

# Rectangle

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



65, 23.698, 224.525



65, 23.698, 274.525



65, 23.698, 44.525



65, 23.698, 94.525

# Sweetspot

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



65, 23.697, 224.523



91, 9.729, 221.648



69, 50.646, 146.386



48, 6.731, 221.751



98, 0.011, 296.813



51, 0.007, 296.813



# Same Dimension

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



65, 23.697, 224.523



80, 33.178, 226.128



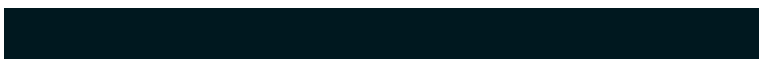
53, 36.553, 281.990



39, 3.256, 221.461



48, 30.927, 237.934



7, 9.475, 231.007





# Inverse Universe

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



54, 50.169, 334.199



65, 72.238, 334.976



67, 36.006, 87.571



37, 6.093, 331.554



35, 68.678, 338.827



3, 17.399, 334.934



# Previews

## White Background



This preview shows how the CIE LCh color 65, 23.698, 224.525 looks on a white background.

## Color Contrast Check

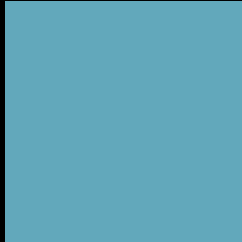
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 65, 23.698, 224.525 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, 23.698, 224.525

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 23.698, 224.525.



This preview shows how white text looks on a background with the CIELCh color 65, 23.698, 224.525.

# 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, 23.698, 224.525

### Protanopia

65, 12.825, 286.728

### Deuteranopia

65, 20.081, 294.261



**Tritanopia**  
65, 23.537, 217.178



# Trichromacy



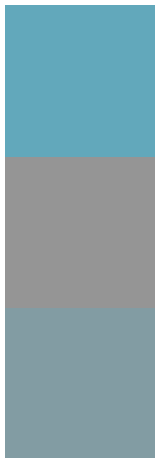
**Original Color**  
65, 23.698, 224.525

**Protanomaly**  
65, 15.080, 253.573

**Deuteranomaly**  
65, 18.279, 265.648

**Tritanomaly**  
65, 23.512, 220.177

# Monochromacy



**Original Color**  
65, 23.698, 224.525

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
63, 10.032, 221.784

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 23.698, 224.525 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(98, 168, 187)` looks like.

```
.text, #text, p{  
    color:rgb(98, 168, 187)  
}
```

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(98, 168, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 168, 187) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 23.698, 224.525 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(98, 168, 187) }
```

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

```
.border{ border-color:rgb(98, 168, 187) }
```

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

Here you see how a box with a 4 pixel rgb(98, 168, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 168, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 168, 187);  
box-shadow:4px 4px 4px 4px rgb(98, 168,  
187) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 23.698, 224.525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 168, 187) }
```

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

```
.background{ background-color: rgb(98, 168,  
187) }
```

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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