

# Converting Colors

CIELCh(63, 25.146, 238.200)

Have a look what the booklet for  
CIELCh(63, 25.146, 238.200)  
contains.

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# Color

**CIELCh(63, 25.267, 238.402)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EA1BE
RGB	94, 161, 190
RGB Percent	37%, 63%, 75%
CMY	0.6314, 0.3686, 0.2549
CMYK	0.51, 0.15, 0.00, 0.25
HSL	198°, 42%, 56%
HSV	198°, 51%, 75%
XYZ	26.6551, 31.5869, 53.4067
YIQ	144.2730, -49.2410, -5.1850

# Conversions

## Conversions Part 2

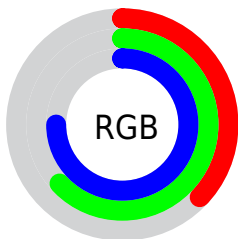
Format	Color
<b>RYB</b>	94, 133, 190
Decimal	6201790
CIELab	63.00, -13.24, -21.52
CIELCh	63, 25.267, 238.402
Yxy	31.5869, 0.2387, 0.2829
Android (android.graphics.Color)	4284391870 (0xFF5EA1BE)
YUV	144.2730, 22.5434, -44.0894
Hunter-Lab	56.2022, -13.6965, -16.9993

# Details

The CIELCh color **63, 25.267, 238.402** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **58, 35.094, 49.257**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 25.127, 237.772**, and **43, 25.431, 239.705** is the 20% darker color. If you saturate the color by 10%, you get **61, 29.004, 240.871**, and if you desaturate by 10%, it is **66, 21.036, 236.428**.

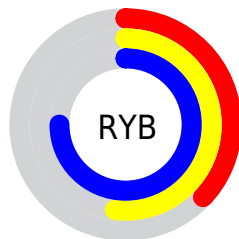
# Distribution



Red (37%)

Green (63%)

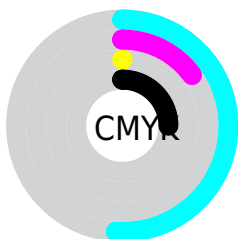
Blue (75%)



Red (37%)

Yellow (52%)

Blue (75%)

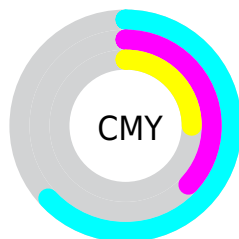


Cyan (51%)

Magenta (15%)

Yellow (0%)

Black (25%)



Cyan (63%)

Magenta (37%)


Yellow (25%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 25.267, 238.402 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 63, 25.267, 238.402 by changing the saturation by 10% instead.





 63, 25.267,  
238.402


 63, 25.267,  
238.402


 100, 25.267,  
238.402


 53, 25.267,  
238.402


 83, 25.267,  
238.402

 43, 25.267,  
238.402

 93, 25.267,  
238.402

 33, 25.267,  
238.402

 23, 25.267,  
238.402

 13, 25.267,  
238.402

 3, 25.267, 238.402

 0, 25.267, 238.402

63, 25.267,  
238.402

63, 25.267,  
238.402

61, 29.004,  
240.871

66, 21.036,  
236.428

58, 32.231,  
243.929

68, 16.360,  
234.866

56, 34.977,  
247.643

71, 11.302,  
233.639

54, 37.336,  
252.034

74, 5.929, 232.700

52, 39.416,  
256.613

77, 0.304, 233.442

80, 5.516, 51.152

83, 11.482, 50.719

86, 17.553, 50.356

88, 20.319, 55.460



# Harmonies

# Complementary

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



63, 25.267, 238.402



58, 35.094, 49.257

# Rectangle

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



63, 25.267, 238.402



63, 25.267, 288.402



63, 25.267, 58.402



63, 25.267, 108.402

# Sweetspot

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



63, 25.266, 238.401



92, 10.363, 233.108



70, 50.247, 149.534



49, 7.093, 233.313



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



63, 25.266, 238.401



77, 35.976, 241.280



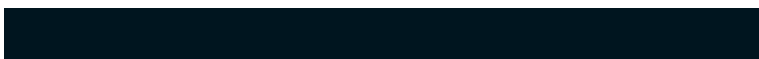
49, 45.039, 288.816



38, 3.183, 232.610



44, 34.178, 255.841



6, 9.686, 245.648



# Inverse Universe

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



54, 50.563, 338.302



64, 73.159, 339.455



70, 41.893, 94.418



37, 5.720, 334.970



35, 64.639, 344.776



3, 16.053, 339.919



# Previews

## White Background



This preview shows how the CIE LCh color 63, 25.267, 238.402 looks on a white background.

## Color Contrast Check

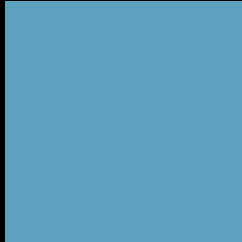
Large Text (above 18pt) WCAG AA × Fail

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 63, 25.267, 238.402 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 63, 25.267, 238.402**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 63, 25.267, 238.402.

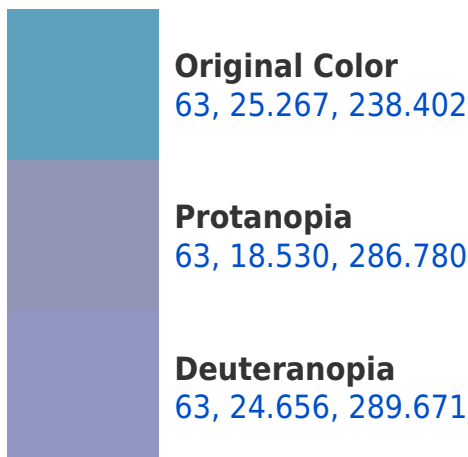


This preview shows how white text looks on a background with the CIELCh color 63, 25.267, 238.402.

# 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







**Tritanopia**  
63, 23.884, 215.489

# Trichromacy



**Original Color**  
63, 25.267, 238.402

**Protanomaly**  
63, 19.860, 264.120

**Deuteranomaly**  
63, 23.212, 270.213

**Tritanomaly**  
63, 23.886, 224.453

# Monochromacy



**Original Color**  
63, 25.267, 238.402

**Achromatopsia**  
60, 0.008, 296.813

**Achromatomaly**  
61, 10.445, 235.374

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 63, 25.267, 238.402 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(94, 161, 190)` looks like.

```
.text, #text, p{  
    color:rgb(94, 161, 190)  
}
```

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(94, 161, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 161, 190) }
```

## Border

The CSS property to change the border of an element to CIELCh 63, 25.267, 238.402 is called "border". The border property can be set on classes, ids or directly on the HTML element.

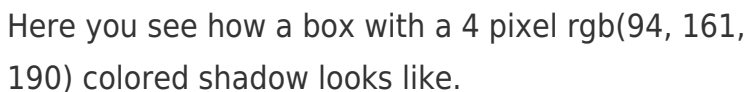
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(94, 161, 190) }
```

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

```
.border{ border-color:rgb(94, 161, 190) }
```

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



Here you see how a box with a 4 pixel `rgb(94, 161, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(94, 161, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(94, 161, 190); box-shadow:4px 4px 4px 4px rgb(94, 161, 190) }
```

# Background

The CSS property to change the background color of an element to CIELCh 63, 25.267, 238.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 161, 190) }
```

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

```
.background{ background-color: rgb(94, 161,  
190) }
```

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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