

# Converting Colors

CIELCh(63, 25.795, 197.465)

Have a look what the booklet for  
CIELCh(63, 25.795, 197.465)  
contains.

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**Color**

**CIELCh(63, 25.802, 197.225)**

# Conversions

## Conversions Part 1

Format	Color
Hex	54A5A5
RGB	84, 165, 165
RGB Percent	33%, 65%, 65%
CMY	0.6699, 0.3523, 0.3523
CMYK	0.49, 0.00, 0.00, 0.35
HSL	180°, 32%, 49%
HSV	180°, 49%, 65%
XYZ	23.9642, 31.5869, 40.5114
YIQ	140.7810, -48.2760, -17.1720

# Conversions

## Conversions Part 2

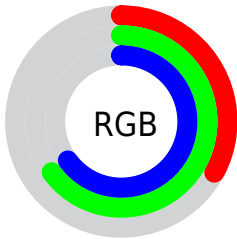
<b>Format</b>	<b>Color</b>
<b>RYB</b>	84, 125, 165
Decimal	5547429
CIELab	63.00, -24.64, -7.64
CIElCh	63, 25.802, 197.225
Yxy	31.5869, 0.2495, 0.3288
Android (android.graphics.Color)	4283737509 (0xFF54A5A5)
YUV	140.7810, 11.9400, -49.7969
Hunter-Lab	56.2022, -22.2428, -3.3955

# Details

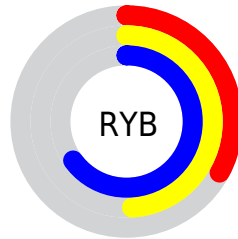
The CIELCh color **63, 25.802, 197.225** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **46, 36.625, 24.767**, and the grayscale version is **59, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 25.586, 197.655**, and **43, 25.879, 196.555** is the 20% darker color. If you saturate the color by 10%, you get **62, 29.342, 196.933**, and if you desaturate by 10%, it is **64, 21.567, 197.576**.

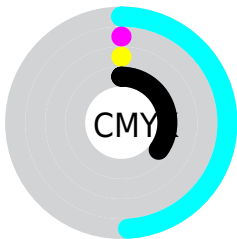
# Distribution



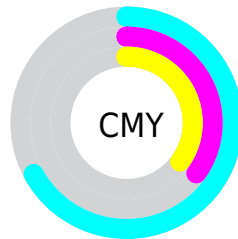
- Red (33%)
- Green (65%)
- Blue (65%)



- Red (33%)
- Yellow (49%)
- Blue (65%)



- Cyan (49%)
- Magenta (0%)
- Yellow (0%)
- Black (35%)




- Cyan (67%)
- Magenta (35%)
- Yellow (35%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 25.802, 197.225 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, 25.802, 197.225 by changing the saturation by 10% instead.





 63, 25.802,  
197.225


 63, 25.802,  
197.225


 100, 25.802,  
197.225


 53, 25.802,  
197.225


 83, 25.802,  
197.225

 43, 25.802,  
197.225

 93, 25.802,  
197.225

 33, 25.802,  
197.225

 23, 25.802,  
197.225

 13, 25.802,  
197.225

 3, 25.802, 197.225

 0, 25.802, 197.225

63, 25.802,  
197.225

63, 25.802,  
197.225

62, 29.342,  
196.933

64, 21.567,  
197.576

62, 32.132,  
196.707

65, 16.714,  
197.988

62, 34.157,  
196.545

66, 11.337,  
198.459

62, 35.443,  
196.442

67, 5.532, 199.005

61, 36.148,  
196.386

68, 0.604, 18.664

61, 36.208,  
196.381

69, 6.987, 19.955

71, 13.541, 20.577

72, 20.201, 21.193

74, 26.918, 21.812



# Harmonies

# Complementary

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



63, 25.802, 197.225



46, 36.625, 24.767

# Rectangle

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



63, 25.802, 197.225



63, 25.802, 247.225



63, 25.802, 17.225



63, 25.802, 67.225

# Sweetspot

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



63, 25.802, 197.223



83, 11.161, 198.653



61, 53.792, 140.217



44, 7.557, 198.549



93, 0.011, 296.813



45, 0.006, 296.813





# Same Dimension

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



63, 25.802, 197.223



79, 36.000, 196.906



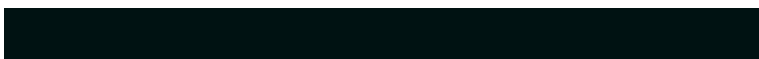
51, 25.587, 262.517



34, 3.428, 198.991



54, 32.967, 196.381



4, 5.463, 199.418



# Inverse Universe

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



46, 36.625, 24.767



54, 55.960, 27.249



55, 29.888, 67.714



32, 3.629, 19.900



30, 68.062, 39.263

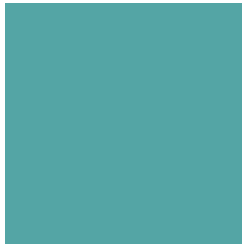


1, 5.464, 19.402



# Previews

## White Background



This preview shows how the CIE LCh color 63, 25.802, 197.225 looks on a white background.

## Color Contrast Check

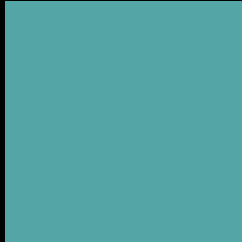
Large Text (above 18pt) WCAG AA × Fail

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, 25.802, 197.225 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

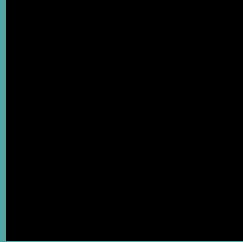
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 63, 25.802, 197.225

## Background



This preview shows how black text looks on a background with the CIELCh color 63, 25.802, 197.225.

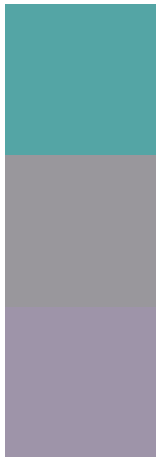


This preview shows how white text looks on a background with the CIELCh color 63, 25.802, 197.225.

# 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**  
63, 25.802, 197.225

**Protanopia**  
63, 2.917, 305.630

**Deuteranopia**  
63, 12.396, 308.793





**Tritanopia**  
63, 24.183, 216.673

# Trichromacy



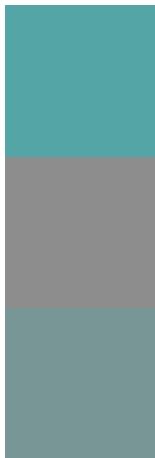
**Original Color**  
63, 25.802, 197.225

**Protanomaly**  
62, 10.241, 208.051

**Deuteranomaly**  
62, 11.143, 243.883

**Tritanomaly**  
63, 24.421, 209.469

# Monochromacy



**Original Color**  
63, 25.802, 197.225

**Achromatopsia**  
59, 0.008, 296.813

**Achromatomaly**  
60, 10.982, 198.422

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 63, 25.802, 197.225 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(84, 165, 165)` looks like.

```
.text, #text, p{  
    color:rgb(84, 165, 165)  
}
```

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(84, 165, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 165, 165) }
```

## Border

The CSS property to change the border of an element to CIELCh 63, 25.802, 197.225 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(84, 165, 165) }
```

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

```
.border{ border-color:rgb(84, 165, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 165, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 165, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 165, 165);  
box-shadow:4px 4px 4px 4px rgb(84, 165,  
165) }
```

# Background

The CSS property to change the background color of an element to CIELCh 63, 25.802, 197.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 165, 165) }
```

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

```
.background{ background-color: rgb(84, 165,  
165) }
```

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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