

# Converting Colors

CIELCh(65, 25.089, 175.498)

Have a look what the booklet for  
CIELCh(65, 25.089, 175.498)  
contains.

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**Color**

**CIELCh(65, 25.161, 175.124)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68AA99
RGB	104, 170, 153
RGB Percent	41%, 67%, 60%
CMY	0.5917, 0.3329, 0.3995
CMYK	0.39, 0.00, 0.10, 0.33
HSL	165°, 28%, 54%
HSV	165°, 39%, 67%
XYZ	25.8784, 34.0472, 35.3944
YIQ	148.3280, -33.8790, -19.2790

# Conversions

## Conversions Part 2

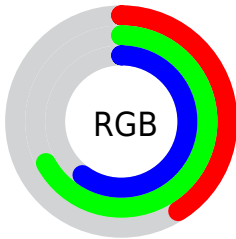
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 142, 170
Decimal	6859417
CIELab	65.00, -25.07, 2.14
CIElCh	65, 25.161, 175.124
Yxy	34.0472, 0.2715, 0.3572
Android (android.graphics.Color)	4285049497 (0xFF68AA99)
YUV	148.3280, 2.3033, -38.8757
Hunter-Lab	58.3500, -22.9472, 4.8804

# Details

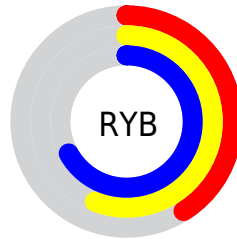
The CIELCh color **65, 25.161, 175.124** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **52, 28.767, 3.595**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 25.415, 174.439**, and **45, 25.041, 175.577** is the 20% darker color. If you saturate the color by 10%, you get **64, 30.761, 173.923**, and if you desaturate by 10%, it is **66, 19.094, 176.225**.

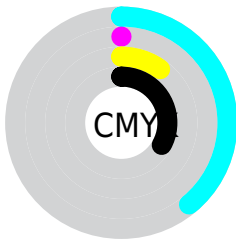
# Distribution



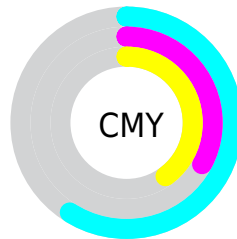
- Red (41%)
- Green (67%)
- Blue (60%)



- Red (41%)
- Yellow (56%)
- Blue (67%)



- Cyan (39%)
- Magenta (0%)
- Yellow (10%)
- Black (33%)




- Cyan (59%)
- Magenta (33%)
- Yellow (40%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 25.161, 175.124 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, 25.161, 175.124 by changing the saturation by 10% instead.





 65, 25.161,  
175.124


 65, 25.161,  
175.124


 100, 25.161,  
175.124


 55, 25.161,  
175.124


 85, 25.161,  
175.124

 45, 25.161,  
175.124

 95, 25.161,  
175.124

 35, 25.161,  
175.124

 25, 25.161,  
175.124

 15, 25.161,  
175.124

 5, 25.161, 175.124

 0, 25.161, 175.124

65, 25.161,  
175.124

65, 25.161,  
175.124

64, 30.761,  
173.923

66, 19.094,  
176.225

63, 35.784,  
172.606

67, 12.670,  
177.253

63, 40.144,  
171.147

68, 5.997, 178.243

62, 43.789,  
169.522

70, 0.830, 358.540

71, 7.730, 359.859

62, 46.714,  
167.716

73, 14.637, 0.697

62, 49.053,  
165.765

75, 21.499, 1.482

77, 28.281, 2.232

62, 49.327,  
165.537

78, 34.154, 2.366

# Harmonies

# Complementary

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



65, 25.161, 175.124



52, 28.767, 3.595

# Rectangle

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



65, 25.161, 175.124



65, 25.161, 225.124



65, 25.161, 355.124



65, 25.161, 45.124

# Sweetspot

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



65, 25.162, 175.122



86, 10.119, 177.904



65, 40.853, 134.826



46, 6.757, 177.781



95, 0.011, 296.813



47, 0.006, 296.813



# Same Dimension

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



65, 25.162, 175.122



82, 36.880, 174.042



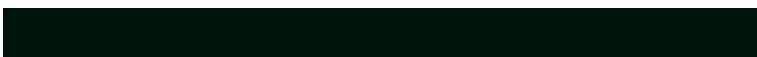
61, 18.533, 226.236



35, 3.822, 178.194



54, 44.340, 165.793



5, 7.319, 174.053





# Inverse Universe

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



52, 28.767, 3.595



62, 43.567, 5.241



55, 24.183, 42.620



33, 3.940, 359.766



30, 59.313, 23.727



1, 6.932, 1.604



# Previews

## White Background



This preview shows how the CIELCh color 65, 25.161, 175.124 looks on a white background.

## Color Contrast Check

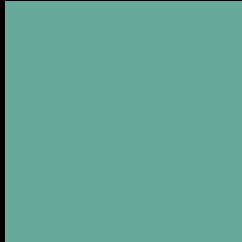
Large Text (above 18pt) WCAG AA × Fail

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, 25.161, 175.124 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, 25.161, 175.124

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 25.161, 175.124.

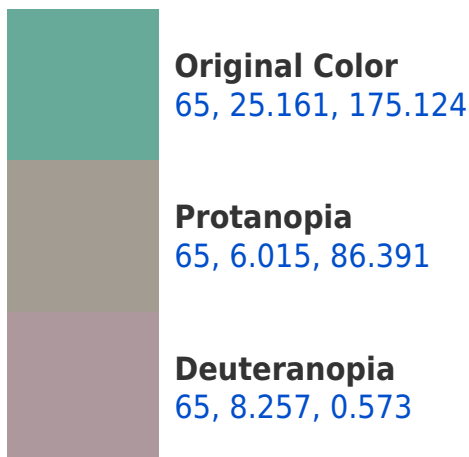



This preview shows how white text looks on a background with the CIELCh color 65, 25.161, 175.124.

# 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**  
65, 19.369, 221.933



# Trichromacy



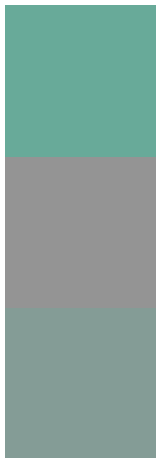
**Original Color**  
65, 25.161, 175.124

**Protanomaly**  
64, 10.202, 157.713

**Deuteranomaly**  
64, 4.854, 178.931

**Tritanomaly**  
65, 19.840, 202.633

# Monochromacy



**Original Color**  
65, 25.161, 175.124

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
62, 9.664, 178.162

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 25.161, 175.124 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(104, 170, 153)` looks like.

```
.text, #text, p{  
    color:rgb(104, 170, 153)  
}
```

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(104, 170, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 170, 153) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 25.161, 175.124 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(104, 170, 153) }
```

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

```
.border{ border-color:rgb(104, 170, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 170, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 170, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 170, 153);  
box-shadow:4px 4px 4px 4px rgb(104, 170,  
153) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 25.161, 175.124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 170, 153) }
```

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

```
.background{ background-color: rgb(104,  
170, 153) }
```

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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