

# Converting Colors

CIELCh(65, 18.358, 154.768)

Have a look what the booklet for  
CIELCh(65, 18.358, 154.768)  
contains.

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# Color

**CIELCh(65, 18.555, 154.460)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83A68F
RGB	131, 166, 143
RGB Percent	51%, 65%, 56%
CMY	0.4865, 0.3493, 0.4395
CMYK	0.21, 0.00, 0.14, 0.35
HSL	141°, 16%, 58%
HSV	141°, 21%, 65%
XYZ	27.9252, 34.0472, 31.0589
YIQ	152.9130, -13.4770, -14.5730

# Conversions

## Conversions Part 2

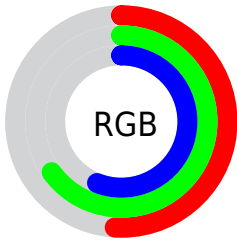
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 157, 166
Decimal	8627855
CIELab	65.00, -16.74, 8.00
CIElCh	65, 18.555, 154.460
Yxy	34.0472, 0.3002, 0.3660
Android (android.graphics.Color)	4286817935 (0xFF83A68F)
YUV	152.9130, -4.8871, -19.2177
Hunter-Lab	58.3500, -16.6857, 9.2857

# Details

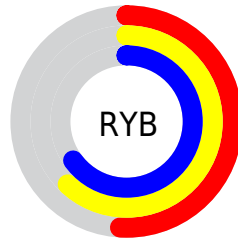
The CIELCh color **65, 18.555, 154.460** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **59, 18.763, 337.591**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 18.473, 155.167**, and **45, 18.411, 154.695** is the 20% darker color. If you saturate the color by 10%, you get **64, 27.292, 153.512**, and if you desaturate by 10%, it is **66, 9.740, 155.300**.

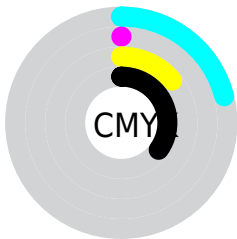
# Distribution



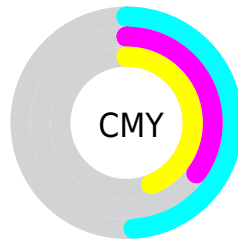
- Red (51%)
- Green (65%)
- Blue (56%)



- Red (51%)
- Yellow (62%)
- Blue (65%)



- Cyan (21%)
- Magenta (0%)
- Yellow (14%)
- Black (35%)



- Cyan (49%)
- Magenta (35%)
- Yellow (44%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 18.555, 154.460 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, 18.555, 154.460 by changing the saturation by 10% instead.





 65, 18.555,  
154.460


 65, 18.555,  
154.460


 100, 18.555,  
154.460


 55, 18.555,  
154.460


 85, 18.555,  
154.460

 45, 18.555,  
154.460

 95, 18.555,  
154.460

 35, 18.555,  
154.460

 25, 18.555,  
154.460

 15, 18.555,  
154.460

 5, 18.555, 154.460

 0, 18.555, 154.460

65, 18.555,  
154.460

65, 18.555,  
154.460

64, 27.292,  
153.512

66, 9.740, 155.300

63, 35.814,  
152.431

68, 0.949, 156.320

70, 7.732, 336.603

62, 43.974,  
151.193

71, 16.243,  
337.202

61, 51.614,  
149.779

73, 24.543,  
337.728

60, 58.586,  
148.177

75, 32.604,  
338.203

60, 64.766,  
146.390


77, 40.415,  
338.636

60, 70.080,  
144.446

79, 45.986,  
335.974

59, 74.171,

142.715

 79, 49.995,  
331.230

# Harmonies

# Complementary

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



65, 18.555, 154.460



59, 18.763, 337.591

# Rectangle

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



65, 18.555, 154.460



65, 18.555, 204.460



65, 18.555, 334.460



65, 18.555, 24.460

# Sweetspot

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



65, 18.556, 154.459



85, 6.530, 155.700



66, 19.765, 121.912



46, 4.368, 155.649



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



65, 18.556, 154.459



82, 27.323, 154.060



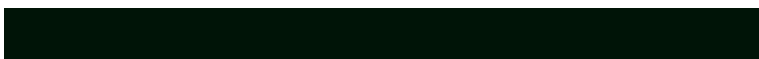
65, 13.213, 184.038



35, 5.022, 155.444



53, 67.832, 142.931



5, 9.474, 154.093



# Inverse Universe

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



59, 18.763, 337.591



73, 27.676, 337.942



58, 14.493, 7.886



33, 5.053, 336.684



32, 60.135, 347.697



2, 8.654, 339.585



# Previews

## White Background



This preview shows how the CIELCh color 65, 18.555, 154.460 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, 18.555, 154.460 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

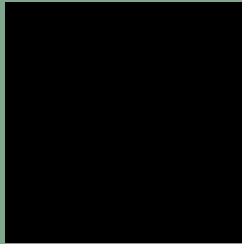
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 65, 18.555, 154.460

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 18.555, 154.460.



This preview shows how white text looks on a background with the CIELCh color 65, 18.555, 154.460.

# 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, 18.555, 154.460

**Protanopia**  
65, 10.991, 91.981

**Deuteranopia**  
65, 10.565, 38.479





**Tritanopia**  
65, 10.976, 240.253

# Trichromacy



**Original Color**  
65, 18.555, 154.460

**Protanomaly**  
65, 11.418, 123.024

**Deuteranomaly**  
65, 6.744, 99.345

**Tritanomaly**  
65, 10.177, 198.557

# Monochromacy



**Original Color**  
65, 18.555, 154.460

**Achromatopsia**  
63, 0.008, 296.813

**Achromatomaly**  
64, 7.114, 154.074

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 18.555, 154.460 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(131, 166, 143)` looks like.

```
.text, #text, p{  
    color:rgb(131, 166, 143)  
}
```

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(131, 166, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 166, 143) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 18.555, 154.460 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(131, 166, 143) }
```

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

```
.border{ border-color:rgb(131, 166, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 166, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 166, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 166, 143);  
box-shadow:4px 4px 4px 4px rgb(131, 166,  
143) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 18.555, 154.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 166, 143) }
```

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

```
.background{ background-color: rgb(131,  
166, 143) }
```

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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