

# Converting Colors

CIELCh(66, 15.918, 146.542)

Have a look what the booklet for  
CIELCh(66, 15.918, 146.542)  
contains.

<b>CIELCh(66, 16.023, 145.758)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(66, 16.023, 145.758)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EA790
RGB	142, 167, 144
RGB Percent	56%, 65%, 56%
CMY	0.4438, 0.3457, 0.4359
CMYK	0.15, 0.00, 0.14, 0.35
HSL	125°, 12%, 61%
HSV	125°, 15%, 65%
XYZ	29.9393, 35.3238, 31.5626
YIQ	156.9030, -7.5170, -12.4530

# Conversions

## Conversions Part 2

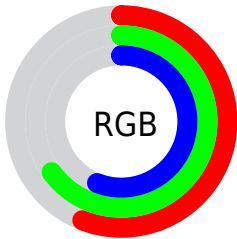
Format	Color
<b>RYB</b>	142, 165, 167
Decimal	9349008
CIELab	66.00, -13.25, 9.02
CIELCh	66, 16.023, 145.758
Yxy	35.3238, 0.3092, 0.3648
Android (android.graphics.Color)	4287539088 (0xFF8EA790)
YUV	156.9030, -6.3612, -13.0699
Hunter-Lab	59.4338, -14.0914, 10.1174

# Details

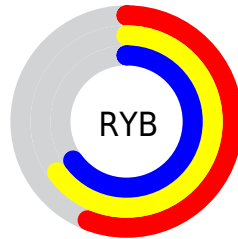
The CIELCh color **66, 16.023, 145.758** is a light color, and the websafe version is hex **669999**. A complement of this color would be **62, 16.050, 327.502**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 15.812, 145.879**, and **46, 15.972, 146.718** is the 20% darker color. If you saturate the color by 10%, you get **65, 26.779, 144.996**, and if you desaturate by 10%, it is **68, 5.294, 146.435**.

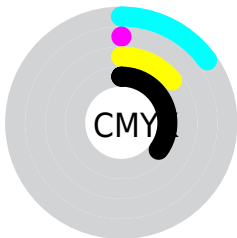
# Distribution



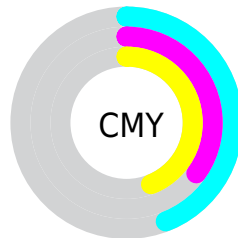
- Red (56%)
- Green (65%)
- Blue (56%)



- Red (56%)
- Yellow (65%)
- Blue (65%)



- Cyan (15%)
- Magenta (0%)
- Yellow (14%)
- Black (35%)




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


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 16.023, 145.758 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 66, 16.023, 145.758 by changing the saturation by 10% instead.





 66, 16.023,  
145.758


 66, 16.023,  
145.758


 100, 16.023,  
145.758


 56, 16.023,  
145.758


 86, 16.023,  
145.758

 46, 16.023,  
145.758

 96, 16.023,  
145.758

 36, 16.023,  
145.758

 26, 16.023,  
145.758

 16, 16.023,  
145.758

 6, 16.023, 145.758

 0, 16.023, 145.758

66, 16.023,  
145.758

66, 16.023,  
145.758

65, 26.779,  
144.996

68, 5.294, 146.435

63, 37.397,  
144.114

69, 5.295, 326.896

62, 47.675,  
143.102

71, 15.660,  
327.399

61, 57.365,  
141.961

73, 25.745,  
327.810

61, 66.175,  
140.715

75, 35.522,  
328.161

60, 73.786,  
139.421

78, 44.974,  
328.464


60, 79.864,  
138.177

80, 53.492,  
327.523

60, 84.125,

80, 55.022,  
326.320

137.112

 60, 85.620,  
136.761

# Harmonies

# Complementary

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



66, 16.023, 145.758



62, 16.050, 327.502

# Rectangle

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



66, 16.023, 145.758



66, 16.023, 195.758



66, 16.023, 325.758



66, 16.023, 15.758

# Sweetspot

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



66, 16.025, 145.758



86, 5.252, 146.500



68, 13.706, 111.532



46, 3.765, 146.448



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



66, 16.025, 145.758



83, 23.848, 145.515



66, 11.206, 166.118



35, 6.075, 146.148



53, 78.177, 136.861



5, 11.133, 146.352



# Inverse Universe

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



62, 16.050, 327.502



77, 23.883, 327.695



61, 11.491, 348.720



33, 6.087, 327.171



34, 72.385, 331.633



2, 10.819, 327.577



# Previews

## White Background



This preview shows how the CIELCh color 66, 16.023, 145.758 looks on a white background.

## Color Contrast Check

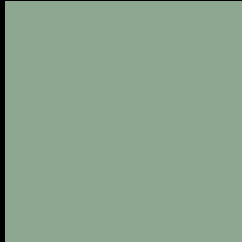
Large Text (above 18pt) WCAG AA × Fail

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 66, 16.023, 145.758 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

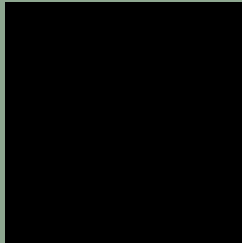
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 66, 16.023, 145.758**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 66, 16.023, 145.758.



This preview shows how white text looks on a background with the CIELCh color 66, 16.023, 145.758.

# 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

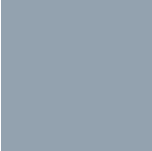


**Original Color**  
66, 16.023, 145.758

**Protanopia**  
66, 11.483, 92.729

**Deuteranopia**  
66, 11.745, 42.257





**Tritanopia**  
66, 8.883, 253.589

# Trichromacy



**Original Color**  
66, 16.023, 145.758

**Protanomaly**  
66, 11.690, 116.750

**Deuteranomaly**  
66, 8.350, 86.964

**Tritanomaly**  
66, 7.006, 198.858

# Monochromacy



**Original Color**  
66, 16.023, 145.758

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
65, 6.327, 146.947

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 16.023, 145.758 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(142, 167, 144)` looks like.

```
.text, #text, p{  
    color:rgb(142, 167, 144)  
}
```

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(142, 167, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 167, 144) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 16.023, 145.758 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(142, 167, 144) }
```

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

```
.border{ border-color:rgb(142, 167, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 167, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 167, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 167, 144);  
box-shadow:4px 4px 4px 4px rgb(142, 167,  
144) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 16.023, 145.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 167, 144) }
```

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

```
.background{ background-color: rgb(142,  
167, 144) }
```

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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