

# Converting Colors

CIELCh(66, 21.370, 136.799)

Have a look what the booklet for  
CIELCh(66, 21.370, 136.799)  
contains.

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# Color

**CIELCh(66, 21.370, 136.799)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EA886
RGB	142, 168, 134
RGB Percent	56%, 66%, 53%
CMY	0.4444, 0.3424, 0.4757
CMYK	0.16, 0.00, 0.20, 0.34
HSL	106°, 16%, 59%
HSV	106°, 20%, 66%
XYZ	29.3278, 35.3238, 27.7151
YIQ	156.3500, -4.5820, -16.0860

# Conversions

## Conversions Part 2

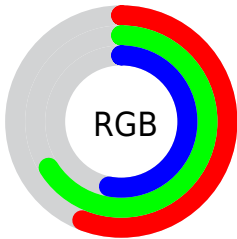
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">134, 168, 160</a>
Decimal	<a href="#">9349254</a>
CIELab	<a href="#">66.00, -15.58, 14.63</a>
CIELCh	<a href="#">66, 21.370, 136.799</a>
Yxy	<a href="#">35.3238, 0.3175, 0.3824</a>
Android (android.graphics.Color)	<a href="#">4287539334 (0xFF8EA886)</a>
YUV	<a href="#">156.3500, -11.0186, -12.5850</a>
Hunter-Lab	<a href="#">59.4338, -15.9280, 13.9556</a>

# Details

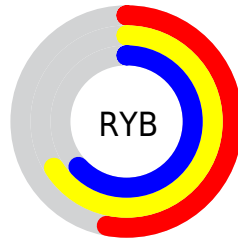
The CIELCh color **66, 21.370, 136.799** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **59, 21.616, 318.607**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 21.349, 136.556**, and **46, 21.633, 136.924** is the 20% darker color. If you saturate the color by 10%, you get **65, 31.914, 136.240**, and if you desaturate by 10%, it is **67, 10.791, 137.310**.

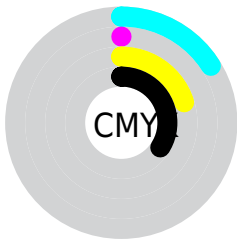
# Distribution



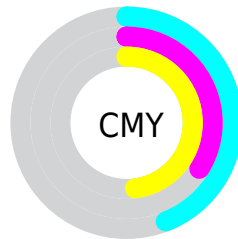
- Red (56%)
- Green (66%)
- Blue (53%)



- Red (53%)
- Yellow (66%)
- Blue (63%)



- Cyan (16%)
- Magenta (0%)
- Yellow (20%)
- Black (34%)




- Cyan (44%)
- Magenta (34%)
- Yellow (48%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 21.370, 136.799 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, 21.370, 136.799 by changing the saturation by 10% instead.





 66, 21.370,  
136.799


 66, 21.370,  
136.799


 100, 21.370,  
136.799


 56, 21.370,  
136.799


 86, 21.370,  
136.799

 46, 21.370,  
136.799

 96, 21.370,  
136.799

 36, 21.370,  
136.799

 26, 21.370,  
136.799

 16, 21.370,  
136.799

 6, 21.370, 136.799

 0, 21.370, 136.799

66, 21.370,  
136.799

66, 21.370,  
136.799

65, 31.914,  
136.240

67, 10.791,  
137.310

64, 42.275,  
135.636

69, 0.274, 138.374

63, 52.261,  
135.015

70, 10.105,  
318.107

62, 61.607,  
134.424

72, 20.295,  
318.450

61, 69.965,  
133.946

74, 30.263,  
318.741

61, 76.906,  
133.693

75, 39.989,  
318.990


60, 82.009,  
133.787

77, 49.463,  
319.201

60, 85.326,

79, 52.926,  
322.689

134.119

 80, 54.510,  
326.303

# Harmonies

# Complementary

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



66, 21.370, 136.799



59, 21.616, 318.607

# Rectangle

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



66, 21.370, 136.799



66, 21.370, 186.799



66, 21.370, 316.799



66, 21.370, 6.799

# Sweetspot

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



66, 21.372, 136.800



86, 7.749, 137.513



66, 14.479, 94.832



46, 5.183, 137.482



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, 21.372, 136.800



83, 31.196, 136.573



66, 19.285, 150.901



35, 5.961, 137.358



53, 77.696, 134.006



5, 10.962, 138.740



# Inverse Universe

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



59, 21.616, 318.607



73, 31.619, 318.789



60, 19.398, 333.653



33, 5.998, 318.123



29, 78.834, 319.627



1, 10.657, 315.652



# Previews

## White Background



This preview shows how the CIELCh color 66, 21.370, 136.799 looks on a white background.

## Color Contrast Check

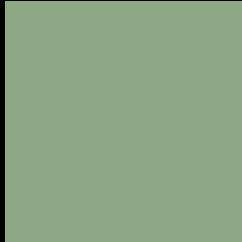
Large Text (above 18pt) WCAG AA × Fail

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 66, 21.370, 136.799 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, 21.370, 136.799**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 66, 21.370, 136.799.



This preview shows how white text looks on a background with the CIELCh color 66, 21.370, 136.799.

# 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

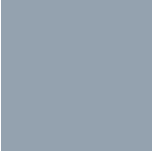


**Original Color**  
66, 21.370, 136.799

**Protanopia**  
66, 17.026, 94.432

**Deuteranopia**  
66, 15.591, 56.986





**Tritanopia**  
66, 8.683, 255.475

# Trichromacy



**Original Color**  
66, 21.370, 136.799

**Protanomaly**  
66, 17.617, 112.277

**Deuteranomaly**  
66, 13.325, 91.073

**Tritanomaly**  
66, 7.114, 180.655

# Monochromacy



**Original Color**  
66, 21.370, 136.799

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
65, 7.539, 136.995

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 21.370, 136.799 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, 168, 134)` looks like.

```
.text, #text, p{  
    color:rgb(142, 168, 134)  
}
```

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, 168, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 168, 134) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 21.370, 136.799 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, 168, 134) }
```

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

```
.border{ border-color:rgb(142, 168, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 168, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 168, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 168, 134);  
box-shadow:4px 4px 4px 4px rgb(142, 168,  
134) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 21.370, 136.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 168, 134) }
```

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

```
.background{ background-color: rgb(142,  
168, 134) }
```

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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