

# Converting Colors

CIELCh(66, 33.996, 140.793)

Have a look what the booklet for  
CIELCh(66, 33.996, 140.793)  
contains.

<b>CIELCh(66, 33.751, 141.000)</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, 33.751, 141.000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CAC79
RGB	124, 172, 121
RGB Percent	49%, 67%, 47%
CMY	0.5125, 0.3242, 0.5243
CMYK	0.28, 0.00, 0.30, 0.32
HSL	116°, 24%, 58%
HSV	116°, 30%, 68%
XYZ	26.6406, 35.3238, 23.6006
YIQ	151.8340, -12.2370, -26.0370

# Conversions

## Conversions Part 2

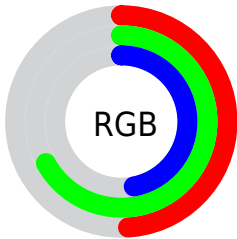
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">121, 172, 169</a>
Decimal	<a href="#">8170617</a>
CIELab	<a href="#">66.00, -26.23, 21.24</a>
CIElCh	<a href="#">66, 33.751, 141.000</a>
Yxy	<a href="#">35.3238, 0.3113, 0.4128</a>
Android (android.graphics.Color)	<a href="#">4286360697 (0xFF7CAC79)</a>
YUV	<a href="#">151.8340, -15.2012, -24.4104</a>
Hunter-Lab	<a href="#">59.4338, -23.9986, 18.0602</a>

# Details

The CIELCh color **66, 33.751, 141.000** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **57, 33.862, 324.326**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 33.755, 141.023**, and **46, 33.512, 141.162** is the 20% darker color. If you saturate the color by 10%, you get **65, 44.918, 140.178**, and if you desaturate by 10%, it is **67, 22.350, 141.726**.

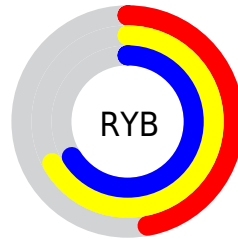
# Distribution



Red (49%)

Green (67%)

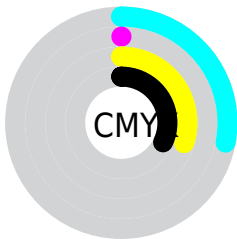
Blue (47%)



Red (47%)

Yellow (67%)

Blue (66%)

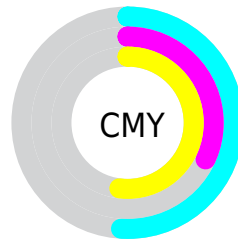


Cyan (28%)

Magenta (0%)

Yellow (30%)

Black (32%)



Cyan (51%)

Magenta (32%)


Yellow (52%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 33.751, 141.000 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, 33.751, 141.000 by changing the saturation by 10% instead.





 66, 33.751,  
141.000


 66, 33.751,  
141.000


 100, 33.751,  
141.000


 56, 33.751,  
141.000


 86, 33.751,  
141.000

 46, 33.751,  
141.000

 96, 33.751,  
141.000

 36, 33.751,  
141.000

 26, 33.751,  
141.000

 16, 33.751,  
141.000

 6, 33.751, 141.000

 0, 33.751, 141.000

66, 33.751,  
141.000

66, 33.751,  
141.000

65, 44.918,  
140.178

67, 22.350,  
141.726

64, 55.595,  
139.269

69, 10.902,  
142.361

63, 65.461,  
138.312

71, 0.450, 322.389

62, 74.120,  
137.379

72, 11.606,  
323.311

62, 81.112,  
136.584

74, 22.500,  
323.706

62, 86.005,  
136.061

76, 33.091,  
324.037


61, 88.869,  
135.768

79, 43.357,  
324.316

61, 88.965,

81, 51.532,  
325.877

135.750

 81, 51.684,  
326.208

# Harmonies

# Complementary

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



66, 33.751, 141.000



57, 33.862, 324.326

# Rectangle

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



66, 33.751, 141.000



66, 33.751, 191.000



66, 33.751, 321.000



66, 33.751, 11.000

# Sweetspot

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



66, 33.752, 141.000



87, 12.655, 142.387



68, 25.889, 104.363



46, 8.791, 142.303



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



66, 33.752, 141.000



83, 50.717, 140.432



66, 24.989, 157.646



36, 6.455, 142.379



54, 80.455, 135.703



6, 13.643, 143.154



# Inverse Universe

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



57, 33.862, 324.326



70, 50.872, 324.659



57, 25.626, 342.718



34, 6.472, 323.302



34, 78.210, 325.963



2, 13.485, 322.117



# Previews

## White Background



This preview shows how the CIELCh color 66, 33.751, 141.000 looks on a white background.

## Color Contrast Check

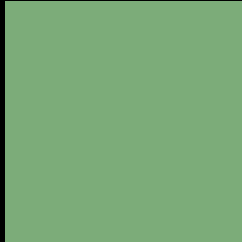
Large Text (above 18pt) WCAG AA × Fail

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, 33.751, 141.000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

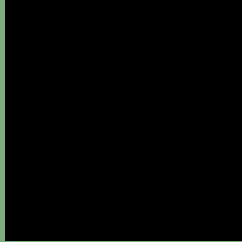
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 66, 33.751, 141.000**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 66, 33.751, 141.000.



This preview shows how white text looks on a background with the CIELCh color 66, 33.751, 141.000.

# 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, 33.751, 141.000

**Protanopia**  
66, 24.681, 95.724

**Deuteranopia**  
66, 21.293, 66.219



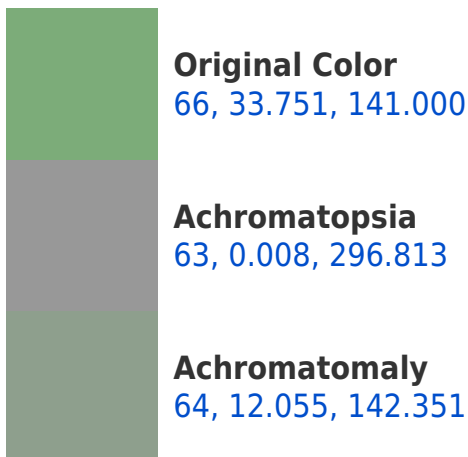


**Tritanopia**  
66, 12.769, 233.207

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 33.751, 141.000 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(124, 172, 121)` looks like.

```
.text, #text, p{  
    color:rgb(124, 172, 121)  
}
```

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(124, 172, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 172, 121) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 33.751, 141.000 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(124, 172, 121) }
```

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

```
.border{ border-color:rgb(124, 172, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 172, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 172, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 172, 121);  
box-shadow:4px 4px 4px 4px rgb(124, 172,  
121) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 33.751, 141.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 172, 121) }
```

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

```
.background{ background-color: rgb(124,  
172, 121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor