

# Converting Colors

CIELCh(74, 36.318, 145.095)

Have a look what the booklet for  
CIELCh(74, 36.318, 145.095)  
contains.

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# Color

**CIELCh(74, 36.204, 145.158)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89C48F
RGB	137, 196, 143
RGB Percent	54%, 77%, 56%
CMY	0.4633, 0.2319, 0.4397
CMYK	0.30, 0.00, 0.27, 0.23
HSL	126°, 33%, 65%
HSV	126°, 30%, 77%
XYZ	34.9517, 46.7039, 33.1074
YIQ	172.3170, -18.1510, -28.9910

# Conversions

## Conversions Part 2

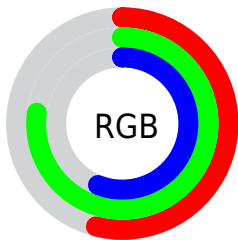
<b>Format</b>	<b>Color</b>
<b>RYB</b>	137, 191, 196
Decimal	9028751
CIELab	74.00, -29.71, 20.68
CIELCh	74, 36.204, 145.158
Yxy	46.7039, 0.3046, 0.4070
Android (android.graphics.Color)	4287218831 (0xFF89C48F)
YUV	172.3170, -14.4533, -30.9730
Hunter-Lab	68.3403, -28.3042, 19.1152

# Details

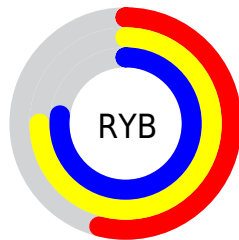
The CIELCh color **74, 36.204, 145.158** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **64, 36.242, 329.070**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 36.202, 145.069**, and **54, 36.391, 144.907** is the 20% darker color. If you saturate the color by 10%, you get **73, 47.949, 144.185**, and if you desaturate by 10%, it is **76, 24.193, 146.000**.

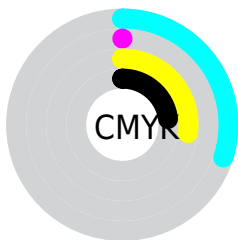
# Distribution



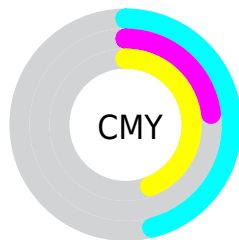
- Red (54%)
- Green (77%)
- Blue (56%)



- Red (54%)
- Yellow (75%)
- Blue (77%)



- Cyan (30%)
- Magenta (0%)
- Yellow (27%)
- Black (23%)




- Cyan (46%)
- Magenta (23%)
- Yellow (44%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 36.204, 145.158 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 74, 36.204, 145.158 by changing the saturation by 10% instead.





 74, 36.204,  
145.158


 74, 36.204,  
145.158


 100, 36.204,  
145.158


 64, 36.204,  
145.158


 94, 36.204,  
145.158

 54, 36.204,  
145.158

 44, 36.204,  
145.158

 34, 36.204,  
145.158

 24, 36.204,  
145.158

 14, 36.204,  
145.158

 4, 36.204, 145.158

0, 36.204, 145.158

74, 36.204,  
145.158

74, 36.204,  
145.158

73, 47.949,  
144.185

76, 24.193,  
146.000

72, 59.166,  
143.072

77, 12.117,  
146.728

71, 69.557,  
141.829

79, 0.136, 149.366

70, 78.786,  
140.491

81, 11.636,  
327.818

70, 86.496,  
139.130

83, 23.120,  
328.280

69, 92.349,  
137.861

86, 34.269,  
328.671

■ 69, 96.151,  
136.887

■ 86, 37.089,  
325.713

# Harmonies

# Complementary

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



74, 36.204, 145.158



64, 36.242, 329.070

# Rectangle

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



74, 36.204, 145.158



74, 36.204, 195.158



74, 36.204, 325.158



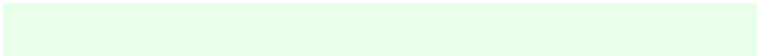
74, 36.204, 15.158

# Sweetspot

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



74, 36.205, 145.158



98, 13.339, 146.795



77, 31.221, 111.664



52, 9.278, 146.694



0, 0.000, 0.000



53, 0.007, 296.813



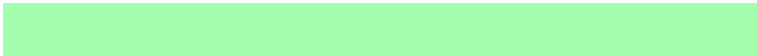


# Same Dimension

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



74, 36.205, 145.158



93, 53.446, 144.547



75, 24.752, 166.493



40, 6.725, 146.780



57, 82.690, 137.048



10, 23.104, 145.953



# Inverse Universe

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



64, 36.242, 329.070



79, 53.436, 329.448



63, 26.262, 352.511



38, 6.739, 327.838



37, 75.594, 332.694



4, 22.019, 330.031



# Previews

## White Background



This preview shows how the CIELCh color 74, 36.204, 145.158 looks on a white background.

## Color Contrast Check

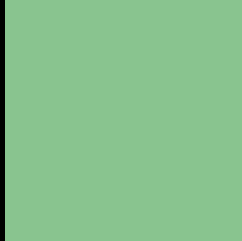
Large Text (above 18pt) WCAG AA × Fail

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 74, 36.204, 145.158 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 74, 36.204, 145.158

## Background



This preview shows how black text looks on a background with the CIELCh color 74, 36.204, 145.158.

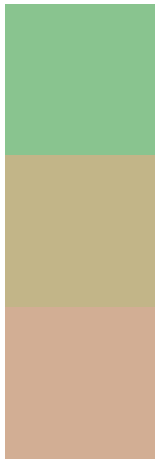


This preview shows how white text looks on a background with the CIELCh color 74, 36.204, 145.158.

# 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

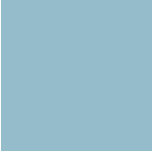


**Original Color**  
74, 36.204, 145.158

**Protanopia**  
74, 24.756, 95.368

**Deuteranopia**  
74, 20.468, 63.069





**Tritanopia**  
74, 15.466, 230.413

# Trichromacy



**Original Color**  
74, 36.204, 145.158

**Protanomaly**  
73, 26.214, 119.148

**Deuteranomaly**  
73, 19.360, 107.104

**Tritanomaly**  
74, 17.577, 180.029

# Monochromacy



**Original Color**  
74, 36.204, 145.158

**Achromatopsia**  
70, 0.009, 296.813

**Achromatomaly**  
72, 13.767, 146.269

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 36.204, 145.158 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(137, 196, 143)` looks like.

```
.text, #text, p{  
    color:rgb(137, 196, 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(137, 196, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 196, 143) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 36.204, 145.158 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(137, 196, 143) }
```

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

```
.border{ border-color:rgb(137, 196, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 196, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 196, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 196, 143);  
box-shadow:4px 4px 4px 4px rgb(137, 196,  
143) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 36.204, 145.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 196, 143) }
```

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

```
.background{ background-color: rgb(137,  
196, 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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