

# Converting Colors

CIELCh(73, 54.216, 153.231)

Have a look what the booklet for  
CIELCh(73, 54.216, 153.231)  
contains.

<b>CIELCh(73, 54.190, 153.296)</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(73, 54.190, 153.296)**

# Conversions

## Conversions Part 1

Format	Color
Hex	54C985
RGB	84, 201, 133
RGB Percent	33%, 79%, 52%
CMY	0.6720, 0.2131, 0.4797
CMYK	0.58, 0.00, 0.34, 0.21
HSL	145°, 52%, 56%
HSV	145°, 58%, 79%
XYZ	28.6406, 45.1644, 29.2827
YIQ	158.2650, -47.9040, -45.9520

# Conversions

## Conversions Part 2

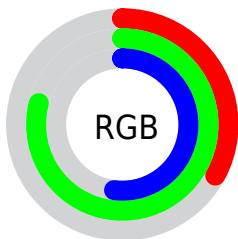
Format	Color
<b>RYB</b>	84, 166, 201
Decimal	5556613
CIELab	73.00, -48.41, 24.35
CIELCh	73, 54.190, 153.296
Yxy	45.1644, 0.2778, 0.4381
Android (android.graphics.Color)	4283746693 (0xFF54C985)
YUV	158.2650, -12.4556, -65.1304
Hunter-Lab	67.2044, -41.5363, 21.2089

# Details

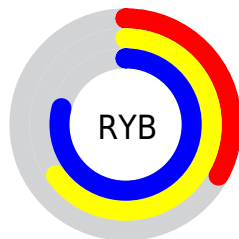
The CIELCh color **73, 54.190, 153.296** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **53, 55.655, 345.374**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 51.908, 154.050**, and **53, 54.094, 153.332** is the 20% darker color. If you saturate the color by 10%, you get **72, 61.906, 151.667**, and if you desaturate by 10%, it is **74, 45.756, 154.728**.

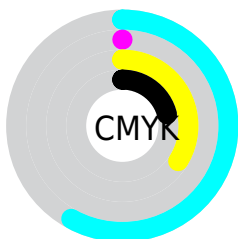
# Distribution



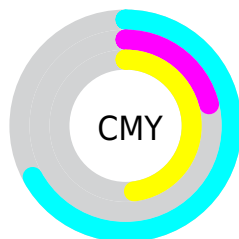
- Red (33%)
- Green (79%)
- Blue (52%)



- Red (33%)
- Yellow (65%)
- Blue (79%)



- Cyan (58%)
- Magenta (0%)
- Yellow (34%)
- Black (21%)




- Cyan (67%)
- Magenta (21%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 54.190, 153.296 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 73, 54.190, 153.296 by changing the saturation by 10% instead.



 73, 54.190,  
153.296

 73, 54.190,  
153.296


 100, 54.190,  
153.296


 63, 54.190,  
153.296


 93, 54.190,  
153.296

 53, 54.190,  
153.296

 43, 54.190,  
153.296

 33, 54.190,  
153.296

 23, 54.190,  
153.296

 13, 54.190,  
153.296

 3, 54.190, 153.296

0, 54.190, 153.296

73, 54.190,  
153.296

73, 54.190,  
153.296

72, 61.906,  
151.667

74, 45.756,  
154.728

72, 68.777,  
149.833

75, 36.761,  
155.983

71, 74.738,  
147.803

76, 27.374,  
157.085

71, 79.838,  
145.645

78, 17.757,  
158.060

71, 80.650,  
145.300

79, 8.052, 158.942

81, 1.625, 339.427

83, 11.183,

340.314

■ 85, 20.556,  
340.953

■ 87, 27.307,  
336.673

# Harmonies

# Complementary

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



73, 54.190, 153.296



53, 55.655, 345.374

# Rectangle

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



73, 54.190, 153.296



73, 54.190, 203.296



73, 54.190, 333.296



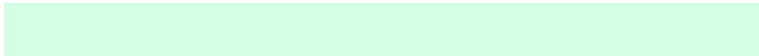
73, 54.190, 23.296

# Sweetspot

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



73, 54.191, 153.296



96, 20.014, 158.159



75, 62.625, 123.402



51, 13.386, 157.971



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



73, 54.191, 153.296



90, 76.451, 151.199



74, 35.443, 188.143



41, 5.450, 158.851



59, 68.640, 145.660



11, 21.297, 152.800



# Inverse Universe

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



53, 55.655, 345.374



61, 77.118, 347.427



51, 50.802, 21.058



39, 5.498, 340.217



35, 62.179, 354.225



4, 18.767, 347.986



# Previews

## White Background



This preview shows how the CIELCh color 73, 54.190, 153.296 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 73, 54.190, 153.296 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

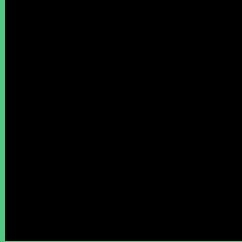
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 73, 54.190, 153.296

## Background



This preview shows how black text looks on a background with the CIELCh color 73, 54.190, 153.296.

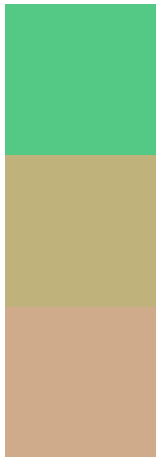


This preview shows how white text looks on a background with the CIELCh color 73, 54.190, 153.296.

# 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**  
73, 54.190, 153.296

**Protanopia**  
73, 30.119, 96.018

**Deuteranopia**  
72, 23.334, 67.491





**Tritanopia**  
73, 26.776, 216.741

# Trichromacy



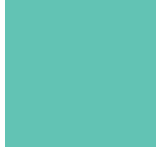
**Original Color**  
73, 54.190, 153.296



**Protanomaly**  
72, 34.248, 129.675



**Deuteranomaly**  
72, 25.406, 125.105



**Tritanomaly**  
73, 32.282, 182.224

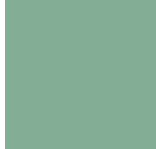
# Monochromacy



**Original Color**  
73, 54.190, 153.296



**Achromatopsia**  
65, 0.008, 296.813



**Achromatomaly**  
67, 21.311, 157.449

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 73, 54.190, 153.296 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(84, 201, 133)` looks like.

```
.text, #text, p{  
    color:rgb(84, 201, 133)  
}
```

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(84, 201, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 201, 133) }
```

## Border

The CSS property to change the border of an element to CIELCh 73, 54.190, 153.296 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(84, 201, 133) }
```

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

```
.border{ border-color:rgb(84, 201, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 201, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 201, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 201, 133);  
box-shadow:4px 4px 4px 4px rgb(84, 201,  
133) }
```

# Background

The CSS property to change the background color of an element to CIELCh 73, 54.190, 153.296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 201, 133) }
```

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

```
.background{ background-color: rgb(84, 201,  
133) }
```

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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