

# Converting Colors

CIELCh(73, 53.557, 119.954)

Have a look what the booklet for  
CIELCh(73, 53.557, 119.954)  
contains.

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**Color**

**CIELCh(73, 53.528, 120.150)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EBF5B
RGB	158, 191, 91
RGB Percent	62%, 75%, 36%
CMY	0.3813, 0.2518, 0.6439
CMYK	0.17, 0.00, 0.52, 0.25
HSL	80°, 44%, 55%
HSV	80°, 52%, 75%
XYZ	34.5197, 45.1644, 16.7491
YIQ	169.7330, 12.4320, -38.0960

# Conversions

## Conversions Part 2

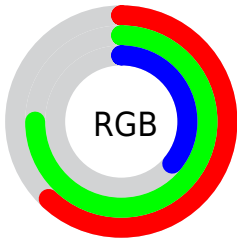
<b>Format</b>	<b>Color</b>
<b>RYB</b>	91, 191, 124
Decimal	10403675
CIELab	73.00, -26.89, 46.29
CIElCh	73, 53.528, 120.150
Yxy	45.1644, 0.3580, 0.4683
Android (android.graphics.Color)	4288593755 (0xFF9EBF5B)
YUV	169.7330, -38.8154, -10.2898
Hunter-Lab	67.2044, -25.9209, 32.2665

# Details

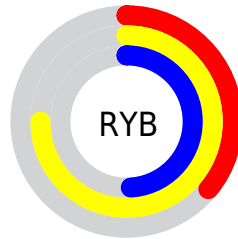
The CIELCh color **73, 53.528, 120.150** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **46, 59.813, 306.656**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 53.144, 120.220**, and **53, 53.182, 120.149** is the 20% darker color. If you saturate the color by 10%, you get **72, 62.436, 119.824**, and if you desaturate by 10%, it is **74, 43.904, 120.612**.

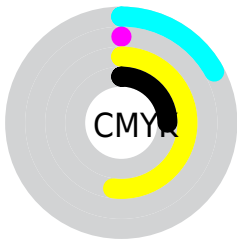
# Distribution



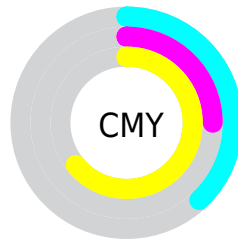
- Red (62%)
- Green (75%)
- Blue (36%)



- Red (36%)
- Yellow (75%)
- Blue (49%)



- Cyan (17%)
- Magenta (0%)
- Yellow (52%)
- Black (25%)




- Cyan (38%)
- Magenta (25%)
- Yellow (64%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 53.528, 120.150 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, 53.528, 120.150 by changing the saturation by 10% instead.





 73, 53.528,  
120.150


 73, 53.528,  
120.150


 100, 53.528,  
120.150


 63, 53.528,  
120.150


 93, 53.528,  
120.150

 53, 53.528,  
120.150

 43, 53.528,  
120.150

 33, 53.528,  
120.150

 23, 53.528,  
120.150

 13, 53.528,  
120.150

 3, 53.528, 120.150

0, 53.528, 120.150

73, 53.528,  
120.150

73, 53.528,  
120.150

72, 62.436,  
119.824

74, 43.904,  
120.612

72, 70.244,  
119.716

74, 33.833,  
121.141

71, 76.495,  
119.939

75, 23.502,  
121.699

71, 80.789,  
120.599

76, 13.037,  
122.260

71, 82.968,  
121.334

77, 2.524, 122.822

78, 7.979, 303.310

79, 18.429,

303.802

■ 80, 28.794,  
304.257

■ 81, 35.198,  
305.837

# Harmonies

# Complementary

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



73, 53.528, 120.150



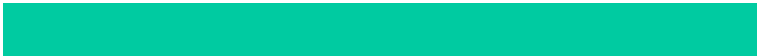
46, 59.813, 306.656

# Rectangle

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



73, 53.528, 120.150



73, 53.528, 170.150



73, 53.528, 300.150



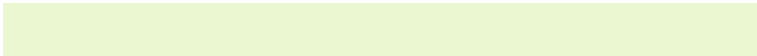
73, 53.528, 350.150

# Sweetspot

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



73, 53.529, 120.152



96, 20.749, 122.045



58, 36.606, 50.614



51, 14.118, 121.928



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



73, 53.529, 120.152



91, 77.502, 119.789



70, 61.237, 136.169



40, 5.901, 122.430



59, 72.090, 121.121



10, 18.143, 126.502



# Inverse Universe

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



46, 59.813, 306.656



52, 89.369, 307.615



52, 62.278, 321.507



37, 6.007, 303.444



21, 90.234, 308.854



1, 17.709, 299.751



# Previews

## White Background



This preview shows how the CIELCh color 73, 53.528, 120.150 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, 53.528, 120.150 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, 53.528, 120.150

## Background



This preview shows how black text looks on a background with the CIELCh color 73, 53.528, 120.150.

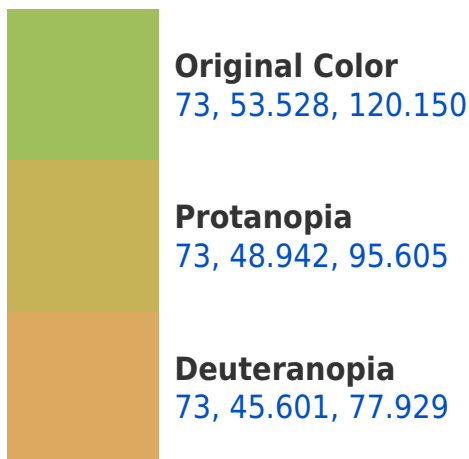


This preview shows how white text looks on a background with the CIELCh color 73, 53.528, 120.150.

# 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







**Tritanopia**  
73, 8.185, 267.840

# Trichromacy



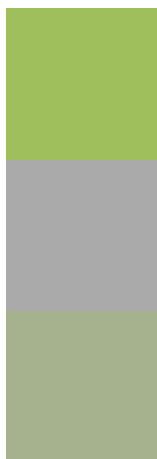
**Original Color**  
73, 53.528, 120.150

**Protanomaly**  
73, 49.434, 105.324

**Deuteranomaly**  
73, 45.156, 95.205

**Tritanomaly**  
73, 16.681, 133.252

# Monochromacy



**Original Color**  
73, 53.528, 120.150

**Achromatopsia**  
70, 0.009, 296.813

**Achromatomaly**  
71, 20.593, 121.572

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 73, 53.528, 120.150 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(158, 191, 91)` looks like.

```
.text, #text, p{  
    color:rgb(158, 191, 91)  
}
```

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(158, 191, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 191, 91) }
```

## Border

The CSS property to change the border of an element to CIELCh 73, 53.528, 120.150 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(158, 191, 91) }
```

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

```
.border{ border-color:rgb(158, 191, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 191, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 191, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 191, 91);  
box-shadow:4px 4px 4px 4px rgb(158, 191,  
91) }
```

# Background

The CSS property to change the background color of an element to CIELCh 73, 53.528, 120.150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 191, 91) }
```

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

```
.background{ background-color: rgb(158,  
191, 91) }
```

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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