

# Converting Colors

CIELCh(71, 79.262, 123.597)

Have a look what the booklet for  
CIELCh(71, 79.262, 123.597)  
contains.

<b>CIELCh(71, 79.318, 123.655)</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(71, 79.318, 123.655)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DC020
RGB	125, 192, 32
RGB Percent	49%, 75%, 13%
CMY	0.5096, 0.2469, 0.8742
CMYK	0.35, 0.00, 0.83, 0.25
HSL	85°, 71%, 44%
HSV	85°, 83%, 75%
XYZ	27.5855, 42.1875, 8.0602
YIQ	153.7270, 11.4280, -63.9640

# Conversions

## Conversions Part 2

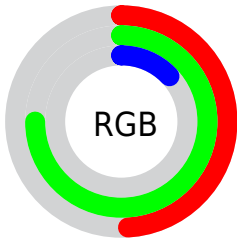
<b>Format</b>	<b>Color</b>
<b>RYB</b>	32, 192, 99
Decimal	8241184
CIELab	71.00, -43.96, 66.02
CIELCh	71, 79.318, 123.655
Yxy	42.1875, 0.3544, 0.5420
Android (android.graphics.Color)	4286431264 (0xFF7DC020)
YUV	153.7270, -60.0114, -25.1936
Hunter-Lab	64.9519, -37.8558, 38.1088

# Details

The CIELCh color **71, 79.318, 123.655** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **33, 92.892, 310.620**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 79.490, 123.780**, and **51, 68.998, 127.891** is the 20% darker color. If you saturate the color by 10%, you get **71, 83.744, 124.438**, and if you desaturate by 10%, it is **72, 72.914, 123.340**.

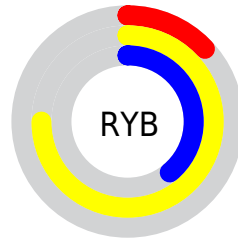
# Distribution



Red (49%)

Green (75%)

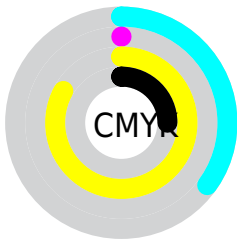
Blue (13%)



Red (13%)

Yellow (75%)

Blue (39%)

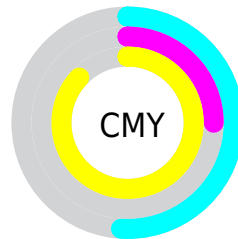


Cyan (35%)

Magenta (0%)

Yellow (83%)

Black (25%)



Cyan (51%)

Magenta (25%)


Yellow (87%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 79.318, 123.655 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 71, 79.318, 123.655 by changing the saturation by 10% instead.





 71, 79.318,  
123.655


 71, 79.318,  
123.655


 100, 79.318,  
123.655


 61, 79.318,  
123.655


 91, 79.318,  
123.655

 51, 79.318,  
123.655

 41, 79.318,  
123.655

 31, 79.318,  
123.655

 21, 79.318,  
123.655

 11, 79.318,  
123.655

 1, 79.318, 123.655

■ 0, 79.318, 123.655

■ 71, 79.318,  
123.655

■ 71, 79.318,  
123.655

■ 71, 83.744,  
124.438

■ 72, 72.914,  
123.340

■ 70, 85.846,  
125.146

■ 72, 64.916,  
123.377

■ 73, 55.787,  
123.650

■ 74, 45.917,  
124.060

■ 74, 35.590,  
124.540

■ 75, 25.002,  
125.046

■ 76, 14.286,  
125.552

■ 77, 3.535, 126.055

■ 78, 7.187, 306.474

# Harmonies

# Complementary

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



71, 79.318, 123.655



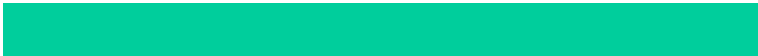
33, 92.892, 310.620

# Rectangle

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



71, 79.318, 123.655



71, 79.318, 173.655



71, 79.318, 303.655



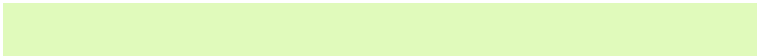
71, 79.318, 353.655

# Sweetspot

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



71, 79.318, 123.656



95, 33.203, 124.939



52, 61.262, 57.289



50, 22.619, 124.759



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



71, 79.318, 123.656



89, 104.871, 125.409



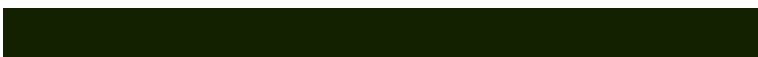
68, 90.174, 136.039



40, 6.132, 125.747



60, 75.074, 124.928



11, 20.526, 129.342



# Inverse Universe

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



33, 92.892, 310.620



38, 125.299, 310.010



45, 88.757, 325.182



38, 6.229, 306.633



23, 89.749, 310.327



2, 19.973, 302.631



# Previews

## White Background



This preview shows how the CIELCh color 71, 79.318, 123.655 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 71, 79.318, 123.655 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

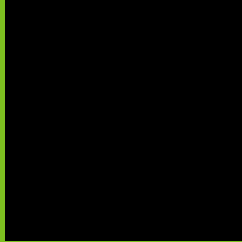
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 71, 79.318, 123.655

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 79.318, 123.655.



This preview shows how white text looks on a background with the CIELCh color 71, 79.318, 123.655.

# 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**  
71, 79.318, 123.655

**Protanopia**  
71, 69.110, 94.946

**Deuteranopia**  
71, 64.128, 81.827





**Tritanopia**  
71, 13.710, 232.727

# Trichromacy



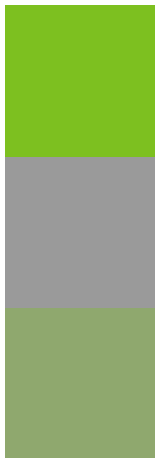
**Original Color**  
71, 79.318, 123.655

**Protanomaly**  
70, 70.385, 106.877

**Deuteranomaly**  
70, 64.687, 99.657

**Tritanomaly**  
70, 32.469, 140.644

# Monochromacy



**Original Color**  
71, 79.318, 123.655

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
66, 33.165, 124.955

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 79.318, 123.655 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(125, 192, 32)` looks like.

```
.text, #text, p{  
    color:rgb(125, 192, 32)  
}
```

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(125, 192, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 192, 32) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 79.318, 123.655 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(125, 192, 32) }
```

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

```
.border{ border-color:rgb(125, 192, 32) }
```

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

Here you see how a box with a 4 pixel rgb(125, 192, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 192, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 192, 32);  
box-shadow:4px 4px 4px 4px rgb(125, 192,  
32) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 79.318, 123.655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 192, 32) }
```

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

```
.background{ background-color: rgb(125,  
192, 32) }
```

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