

Converting Colors

CIELCh(70, 51.268, 116.864)

Have a look what the booklet for
CIELCh(70, 51.268, 116.864)
contains.

CIELCh(70, 51.161, 117.191)	3
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Color

CIELCh(70, 51.161, 117.191)

Conversions

Conversions Part 1

Format	Color
Hex	9CB555
RGB	156, 181, 85
RGB Percent	61%, 71%, 33%
CMY	0.3884, 0.2903, 0.6668
CMYK	0.14, 0.00, 0.53, 0.29
HSL	76°, 39%, 52%
HSV	76°, 53%, 71%
XYZ	31.8555, 40.7494, 14.7725
YIQ	162.5810, 15.9160, -35.1560

Conversions

Conversions Part 2

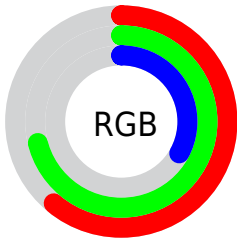
Format	Color
RYB	85, 181, 110
Decimal	10270037
CIELab	70.00, -23.38, 45.51
CIELCh	70, 51.161, 117.191
Yxy	40.7494, 0.3646, 0.4664
Android (android.graphics.Color)	4288460117 (0xFF9CB555)
YUV	162.5810, -38.2474, -5.7715
Hunter-Lab	63.8353, -22.6354, 30.9641

Details

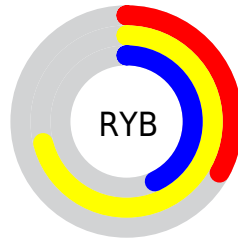
The CIELCh color **70, 51.161, 117.191** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **43, 57.924, 304.718**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 51.327, 117.268**, and **50, 51.059, 117.379** is the 20% darker color. If you saturate the color by 10%, you get **69, 59.489, 116.812**, and if you desaturate by 10%, it is **71, 42.123, 117.704**.

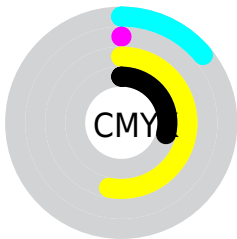
Distribution



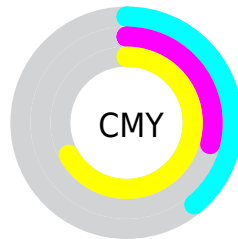
- Red (61%)
- Green (71%)
- Blue (33%)



- Red (33%)
- Yellow (71%)
- Blue (43%)



- Cyan (14%)
- Magenta (0%)
- Yellow (53%)
- Black (29%)





- Cyan (39%)
- Magenta (29%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 51.161, 117.191 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 70, 51.161, 117.191 by changing the saturation by 10% instead.


 70, 51.161,
117.191


 70, 51.161,
117.191


 100, 51.161,
117.191


 60, 51.161,
117.191


 90, 51.161,
117.191

 50, 51.161,
117.191

 40, 51.161,
117.191

 30, 51.161,
117.191

 20, 51.161,
117.191

 10, 51.161,
117.191

 0, 51.161, 117.191

70, 51.161,
117.191

70, 51.161,
117.191

69, 59.489,
116.812

71, 42.123,
117.704

69, 66.735,
116.643

71, 32.638,
118.287

69, 72.457,
116.785

72, 22.887,
118.901

68, 76.281,
117.334

73, 12.991,
119.521

68, 78.088,
117.892

73, 3.031, 120.136

74, 6.935, 300.706

75, 16.868,
301.263

76, 26.740,
301.785

■ 77, 36.529,
302.272

Harmonies

Complementary

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



70, 51.161, 117.191



43, 57.924, 304.718

Rectangle

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



70, 51.161, 117.191



70, 51.161, 167.191



70, 51.161, 297.191



70, 51.161, 347.191

Sweetspot

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



70, 51.162, 117.193



91, 19.659, 119.322



53, 36.523, 44.367



48, 13.255, 119.197



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



70, 51.162, 117.193



88, 74.156, 116.758



67, 58.172, 134.435



37, 5.577, 119.751



58, 68.928, 117.719



8, 13.752, 123.923

Inverse Universe

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



43, 57.924, 304.718



48, 87.168, 305.963



48, 59.834, 319.451



35, 5.685, 300.890



19, 89.110, 307.971



1, 13.468, 298.036

Previews

White Background



This preview shows how the CIELCh color 70, 51.161, 117.191 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 70, 51.161, 117.191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

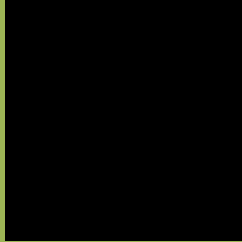
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 51.161, 117.191

Background



This preview shows how black text looks on a background with the CIELCh color 70, 51.161, 117.191.



This preview shows how white text looks on a background with the CIELCh color 70, 51.161, 117.191.

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
70, 51.161, 117.191

Protanopia
70, 47.679, 95.749

Deuteranopia
70, 44.786, 78.899



Tritanopia
70, 7.696, 285.539

Trichromacy



Original Color
70, 51.161, 117.191

Protanomaly
70, 48.240, 104.247

Deuteranomaly
70, 44.543, 94.288

Tritanomaly
70, 14.709, 124.199

Monochromacy



Original Color
70, 51.161, 117.191

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 19.521, 120.067

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 51.161, 117.191 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(156, 181, 85)` looks like.

```
.text, #text, p{  
    color:rgb(156, 181, 85)  
}
```

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(156, 181, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 181, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 51.161, 117.191 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(156, 181, 85) }
```

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

```
.border{ border-color:rgb(156, 181, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 181, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 181, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 181, 85);  
box-shadow:4px 4px 4px 4px rgb(156, 181,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 51.161, 117.191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 181, 85) }
```

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

```
.background{ background-color: rgb(156,  
181, 85) }
```

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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