

Converting Colors

CIELCh(70, 51.100, 112.186)

Have a look what the booklet for
CIELCh(70, 51.100, 112.186)
contains.

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Color

CIELCh(70, 51.364, 112.313)

Conversions

Conversions Part 1

Format	Color
Hex	A4B351
RGB	164, 179, 81
RGB Percent	64%, 70%, 32%
CMY	0.3567, 0.2979, 0.6822
CMYK	0.08, 0.00, 0.55, 0.30
HSL	69°, 39%, 51%
HSV	69°, 55%, 70%
XYZ	32.9344, 40.7494, 13.9221
YIQ	163.3430, 22.5180, -33.6580

Conversions

Conversions Part 2

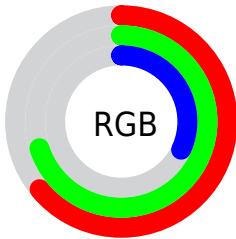
Format	Color
RYB	81, 179, 96
Decimal	10793809
CIELab	70.00, -19.50, 47.52
CIElCh	70, 51.364, 112.313
Yxy	40.7494, 0.3759, 0.4651
Android (android.graphics.Color)	4288983889 (0xFFA4B351)
YUV	163.3430, -40.5951, 0.5762
Hunter-Lab	63.8353, -19.6187, 31.7538

Details

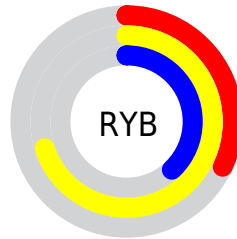
The CIELCh color **70, 51.364, 112.313** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **41, 59.348, 302.038**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 51.608, 112.266**, and **50, 51.118, 112.104** is the 20% darker color. If you saturate the color by 10%, you get **70, 59.272, 111.820**, and if you desaturate by 10%, it is **70, 42.678, 112.936**.

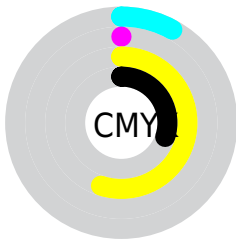
Distribution



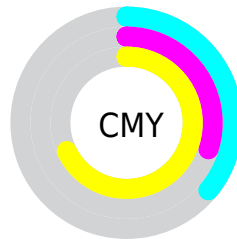
- Red (64%)
- Green (70%)
- Blue (32%)



- Red (32%)
- Yellow (70%)
- Blue (38%)



- Cyan (8%)
- Magenta (0%)
- Yellow (55%)
- Black (30%)





- Cyan (36%)
- Magenta (30%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 51.364, 112.313 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, 51.364, 112.313 by changing the saturation by 10% instead.


 70, 51.364,
112.313


 70, 51.364,
112.313


 100, 51.364,
112.313


 60, 51.364,
112.313


 90, 51.364,
112.313

 50, 51.364,
112.313

 40, 51.364,
112.313

 30, 51.364,
112.313

 20, 51.364,
112.313

 10, 51.364,
112.313

 0, 51.364, 112.313

70, 51.364,
112.313

70, 51.364,
112.313

70, 59.272,
111.820

70, 42.678,
112.936

69, 66.011,
111.519

71, 33.497,
113.631

69, 71.136,
111.492

71, 24.015,
114.362

69, 74.308,
111.807

72, 14.361,
115.103

69, 75.501,
112.052

73, 4.619, 115.836

73, 5.154, 296.553

74, 14.917,
297.238

75, 24.643,
297.892

■ 76, 34.311,
298.509

Harmonies

Complementary

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



70, 51.364, 112.313



41, 59.348, 302.038

Rectangle

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



70, 51.364, 112.313



70, 51.364, 162.313



70, 51.364, 292.313



70, 51.364, 342.313

Sweetspot

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



70, 51.365, 112.315



91, 19.243, 114.990



50, 39.844, 36.093



48, 13.089, 114.839



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, 51.365, 112.315



88, 74.060, 111.728



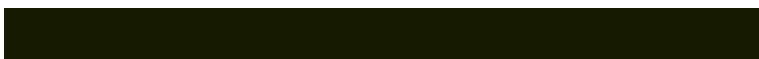
67, 57.612, 131.520



38, 5.510, 115.502



59, 67.211, 111.944



8, 13.494, 118.795

Inverse Universe

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



41, 59.348, 302.038



45, 89.591, 303.821



46, 60.471, 316.399



35, 5.626, 296.895



18, 90.377, 306.990



1, 13.375, 294.819

Previews

White Background



This preview shows how the CIELCh color 70, 51.364, 112.313 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, 51.364, 112.313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

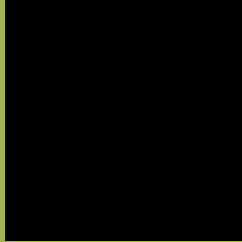
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 51.364, 112.313

Background



This preview shows how black text looks on a background with the CIELCh color 70, 51.364, 112.313.



This preview shows how white text looks on a background with the CIELCh color 70, 51.364, 112.313.

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, 51.364, 112.313

Protanopia
70, 49.085, 95.855

Deuteranopia
70, 47.308, 79.443



Tritanopia
70, 8.137, 309.392

Trichromacy



Original Color
70, 51.364, 112.313

Protanomaly
70, 49.280, 102.105

Deuteranomaly
70, 46.442, 92.287

Tritanomaly
70, 14.702, 110.233

Monochromacy



Original Color
70, 51.364, 112.313

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 19.788, 115.187

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 51.364, 112.313 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(164, 179, 81)` looks like.

```
.text, #text, p{  
    color:rgb(164, 179, 81)  
}
```

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(164, 179, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 179, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 51.364, 112.313 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(164, 179, 81) }
```

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

```
.border{ border-color:rgb(164, 179, 81) }
```

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

Here you see how a box with a 4 pixel rgb(164, 179, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 179, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 179, 81);  
box-shadow:4px 4px 4px 4px rgb(164, 179,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 51.364, 112.313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 179, 81) }
```

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

```
.background{ background-color: rgb(164,  
179, 81) }
```

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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