

Converting Colors

CIELCh(69, 51.458, 112.475)

Have a look what the booklet for
CIELCh(69, 51.458, 112.475)
contains.

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Color

CIELCh(69, 51.434, 112.264)

Conversions

Conversions Part 1

Format	Color
Hex	A1B04E
RGB	161, 176, 78
RGB Percent	63%, 69%, 31%
CMY	0.3673, 0.3085, 0.6929
CMYK	0.09, 0.00, 0.56, 0.31
HSL	69°, 38%, 50%
HSV	69°, 56%, 69%
XYZ	31.7404, 39.3444, 13.1870
YIQ	160.3430, 22.5180, -33.6580

Conversions

Conversions Part 2

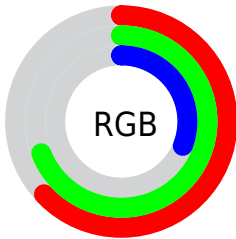
Format	Color
RYB	78, 176, 93
Decimal	10596430
CIELab	69.00, -19.49, 47.60
CIElCh	69, 51.434, 112.264
Yxy	39.3444, 0.3766, 0.4669
Android (android.graphics.Color)	4288786510 (0xFFA1B04E)
YUV	160.3430, -40.5951, 0.5762
Hunter-Lab	62.7251, -19.4437, 31.4427

Details

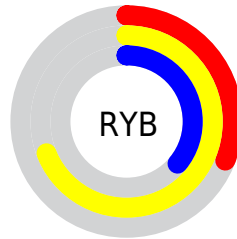
The CIELCh color **69, 51.434, 112.264** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **40, 59.595, 302.148**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 51.696, 112.229**, and **49, 51.761, 112.409** is the 20% darker color. If you saturate the color by 10%, you get **69, 59.169, 111.784**, and if you desaturate by 10%, it is **69, 42.905, 112.879**.

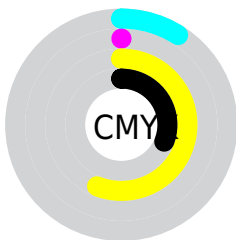
Distribution



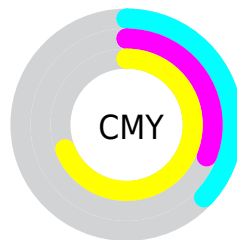
- Red (63%)
- Green (69%)
- Blue (31%)



- Red (31%)
- Yellow (69%)
- Blue (36%)



- Cyan (9%)
- Magenta (0%)
- Yellow (56%)
- Black (31%)





- Cyan (37%)
- Magenta (31%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 51.434, 112.264 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 69, 51.434, 112.264 by changing the saturation by 10% instead.

 69, 51.434,
112.264

 69, 51.434,
112.264


 100, 51.434,
112.264


 59, 51.434,
112.264


 89, 51.434,
112.264

 49, 51.434,
112.264

 99, 51.434,
112.264

 39, 51.434,
112.264

 29, 51.434,
112.264

 19, 51.434,
112.264

 9, 51.434, 112.264

 0, 51.434, 112.264

69, 51.434,
112.264

69, 51.434,
112.264

69, 59.169,
111.784

69, 42.905,
112.879

68, 65.717,
111.502

70, 33.869,
113.568

68, 70.640,
111.499

70, 24.524,
114.297

68, 73.638,
111.836

71, 15.000,
115.037

68, 74.645,
112.036

72, 5.383, 115.771

72, 4.268, 296.489

73, 13.912,
297.176

74, 23.522,
297.832

■ 75, 33.075,
298.452

Harmonies

Complementary

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



69, 51.434, 112.264



40, 59.595, 302.148

Rectangle

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



69, 51.434, 112.264



69, 51.434, 162.264



69, 51.434, 292.264



69, 51.434, 342.264

Sweetspot

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



69, 51.435, 112.266



90, 20.257, 114.911



49, 40.077, 36.177



47, 13.526, 114.767



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



69, 51.435, 112.266



87, 74.270, 111.689



66, 57.711, 131.486



38, 5.510, 115.498



59, 67.210, 111.939



8, 13.493, 118.790

Inverse Universe

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



40, 59.595, 302.148



43, 90.186, 303.958



45, 60.610, 316.424



35, 5.626, 296.891



18, 90.378, 306.990



1, 13.375, 294.816

Previews

White Background



This preview shows how the CIELCh color 69, 51.434, 112.264 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 CIE LCh color 69, 51.434, 112.264 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 69, 51.434, 112.264

Background



This preview shows how black text looks on a background with the CIELCh color 69, 51.434, 112.264.



This preview shows how white text looks on a background with the CIELCh color 69, 51.434, 112.264.

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
69, 51.434, 112.264

Protanopia
69, 49.251, 95.242

Deuteranopia
69, 46.991, 79.127



Tritanopia
69, 7.516, 308.031

Trichromacy



Original Color
69, 51.434, 112.264

Protanomaly
69, 49.382, 101.511

Deuteranomaly
69, 46.540, 92.180

Tritanomaly
69, 15.295, 111.601

Monochromacy



Original Color
69, 51.434, 112.264

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 19.829, 115.170

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 51.434, 112.264 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(161, 176, 78)` looks like.

```
.text, #text, p{  
    color:rgb(161, 176, 78)  
}
```

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(161, 176, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 176, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 51.434, 112.264 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(161, 176, 78) }
```

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

```
.border{ border-color:rgb(161, 176, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 176, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 176, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 176, 78);  
box-shadow:4px 4px 4px 4px rgb(161, 176,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 51.434, 112.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 176, 78) }
```

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

```
.background{ background-color: rgb(161,  
176, 78) }
```

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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