

Converting Colors

CIELCh(69, 60.057, 109.989)

Have a look what the booklet for
CIELCh(69, 60.057, 109.989)
contains.

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Color

CIELCh(69, 60.286, 110.011)

Conversions

Conversions Part 1

Format	Color
Hex	A3B13A
RGB	163, 177, 58
RGB Percent	64%, 69%, 23%
CMY	0.3623, 0.3073, 0.7740
CMYK	0.08, 0.00, 0.67, 0.31
HSL	67°, 51%, 46%
HSV	67°, 67%, 69%
XYZ	31.4277, 39.3444, 9.8907
YIQ	159.2480, 29.8550, -39.9770

Conversions

Conversions Part 2

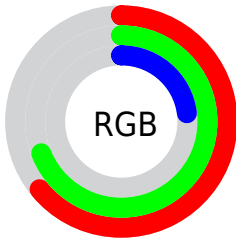
Format	Color
RYB	58, 177, 72
Decimal	10727738
CIELab	69.00, -20.63, 56.65
CIELCh	69, 60.286, 110.011
Yxy	39.3444, 0.3896, 0.4878
Android (android.graphics.Color)	4288917818 (0xFFA3B13A)
YUV	159.2480, -49.9153, 3.2905
Hunter-Lab	62.7251, -20.3335, 34.5585

Details

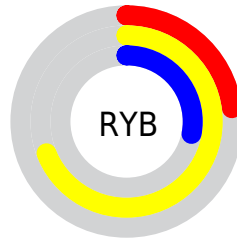
The CIELCh color **69, 60.286, 110.011** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **33, 73.395, 303.149**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 60.332, 110.321**, and **49, 57.834, 110.825** is the 20% darker color. If you saturate the color by 10%, you get **69, 66.528, 109.700**, and if you desaturate by 10%, it is **69, 52.770, 110.525**.

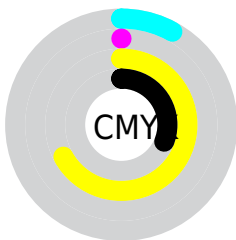
Distribution



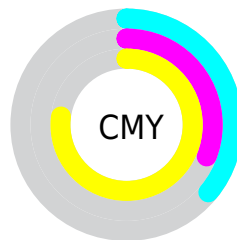
- Red (64%)
- Green (69%)
- Blue (23%)



- Red (23%)
- Yellow (69%)
- Blue (28%)



- Cyan (8%)
- Magenta (0%)
- Yellow (67%)
- Black (31%)





- Cyan (36%)
- Magenta (31%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 60.286, 110.011 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, 60.286, 110.011 by changing the saturation by 10% instead.


 69, 60.286,
110.011


 69, 60.286,
110.011


 100, 60.286,
110.011


 59, 60.286,
110.011


 89, 60.286,
110.011

 49, 60.286,
110.011

 99, 60.286,
110.011

 39, 60.286,
110.011

 29, 60.286,
110.011

 19, 60.286,
110.011

 9, 60.286, 110.011

 0, 60.286, 110.011

69, 60.286,
110.011

69, 60.286,
110.011

69, 66.528,
109.700

69, 52.770,
110.525

69, 71.058,
109.656

70, 44.387,
111.170

68, 73.706,
109.912

70, 35.449,
111.896

68, 74.287,
109.995

71, 26.167,
112.666

71, 16.685,
113.452

72, 7.095, 114.234

72, 2.541, 295.010

73, 12.180,
295.746

■ 74, 21.794,
296.455

Harmonies

Complementary

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



69, 60.286, 110.011



33, 73.395, 303.149

Rectangle

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



69, 60.286, 110.011



69, 60.286, 160.011



69, 60.286, 290.011



69, 60.286, 340.011

Sweetspot

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



69, 60.287, 110.013



90, 23.738, 113.218



44, 51.597, 35.558



47, 16.159, 113.002



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, 60.287, 110.013



87, 83.973, 109.640



65, 67.617, 130.108



38, 5.495, 114.082



60, 66.812, 109.917



8, 13.428, 116.940

Inverse Universe

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



33, 73.395, 303.149



35, 108.521, 305.321



40, 72.239, 315.707



35, 5.613, 295.570



18, 90.683, 306.771



1, 13.354, 293.753

Previews

White Background



This preview shows how the CIELCh color 69, 60.286, 110.011 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, 60.286, 110.011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

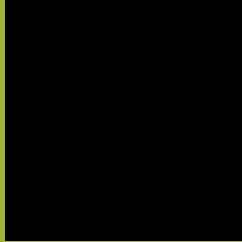
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 60.286, 110.011

Background



This preview shows how black text looks on a background with the CIELCh color 69, 60.286, 110.011.



This preview shows how white text looks on a background with the CIELCh color 69, 60.286, 110.011.

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, 60.286, 110.011

Protanopia
69, 58.354, 95.283

Deuteranopia
69, 56.372, 80.914



Tritanopia
69, 7.933, 315.768

Trichromacy



Original Color
69, 60.286, 110.011

Protanomaly
69, 58.473, 100.662

Deuteranomaly
69, 55.820, 91.855

Tritanomaly
68, 19.076, 106.988

Monochromacy



Original Color
69, 60.286, 110.011

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 23.583, 112.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 60.286, 110.011 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(163, 177, 58)` looks like.

```
.text, #text, p{  
    color:rgb(163, 177, 58)  
}
```

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(163, 177, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 177, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 60.286, 110.011 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(163, 177, 58) }
```

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

```
.border{ border-color:rgb(163, 177, 58) }
```

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

Here you see how a box with a 4 pixel rgb(163, 177, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 177, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 177, 58);  
box-shadow:4px 4px 4px 4px rgb(163, 177,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 60.286, 110.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 177, 58) }
```

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

```
.background{ background-color: rgb(163,  
177, 58) }
```

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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