

Converting Colors

CIELCh(69, 60.402, 90.169)

Have a look what the booklet for
CIELCh(69, 60.402, 90.169) contains.

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Color

CIELCh(69, 60.354, 90.116)

Conversions

Conversions Part 1

Format	Color
Hex	C6A633
RGB	198, 166, 51
RGB Percent	78%, 65%, 20%
CMY	0.2250, 0.3503, 0.8014
CMYK	0.00, 0.16, 0.74, 0.22
HSL	47°, 59%, 49%
HSV	47°, 74%, 78%
XYZ	37.3583, 39.3444, 8.7168
YIQ	162.4580, 55.9870, -28.9810

Conversions

Conversions Part 2

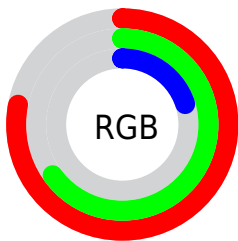
Format	Color
R _Y B	92, 198, 51
Decimal	13018675
CIE Lab	69.00, -0.12, 60.35
CIE LCh	69, 60.354, 90.116
Yxy	39.3444, 0.4374, 0.4606
Android (android.graphics.Color)	4291208755 (0xFFC6A633)
YUV	162.4580, -54.9488, 31.1703
Hunter-Lab	62.7251, -3.4567, 35.6681

Details

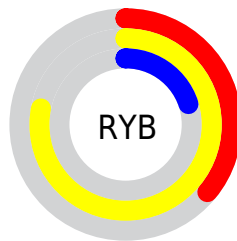
The CIELCh color **69, 60.354, 90.116** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **39, 69.601, 294.473**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 60.140, 91.397**, and **49, 55.363, 90.043** is the 20% darker color. If you saturate the color by 10%, you get **68, 65.703, 88.719**, and if you desaturate by 10%, it is **70, 53.506, 91.446**.

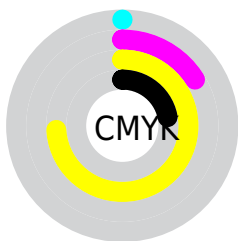
Distribution



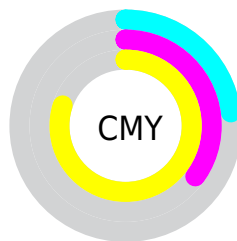
- Red (78%)
- Green (65%)
- Blue (20%)



- Red (36%)
- Yellow (78%)
- Blue (20%)



- Cyan (0%)
- Magenta (16%)
- Yellow (74%)
- Black (22%)



- Cyan (23%)
- Magenta (35%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 60.354, 90.116 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, 60.354, 90.116 by changing the saturation by 10% instead.

■ 69, 60.354, 90.116

■ 69, 60.354, 90.116

■ 100, 60.354,
90.116

■ 59, 60.354, 90.116

■ 89, 60.354, 90.116

■ 49, 60.354, 90.116

■ 99, 60.354, 90.116

■ 39, 60.354, 90.116

■ 29, 60.354, 90.116

■ 19, 60.354, 90.116

■ 9, 60.354, 90.116

■ 0, 60.354, 90.116

■ 69, 60.354, 90.116

■ 69, 60.354, 90.116

■ 68, 65.703, 88.719

■ 70, 53.506, 91.446

67, 68.899, 87.176

72, 45.761, 92.737

66, 69.984, 86.255

73, 37.539, 94.006

74, 29.097, 95.255

76, 20.586, 96.478

77, 12.089, 97.668

79, 3.652, 98.797

81, 4.702, 279.996

82, 12.963,
281.048

Harmonies

Complementary

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



69, 60.354, 90.116



39, 69.601, 294.473

Rectangle

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



69, 60.354, 90.116



69, 60.354, 140.116



69, 60.354, 270.116



69, 60.354, 320.116

Sweetspot

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



69, 60.354, 90.119



96, 22.839, 96.724



46, 61.232, 14.772



51, 15.360, 96.392



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 60.354, 90.119



85, 82.268, 87.820



75, 72.573, 116.926



41, 4.783, 98.244



55, 60.791, 86.521



11, 15.716, 90.862

Inverse Universe

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



39, 69.601, 294.473



43, 104.261, 299.347



35, 87.897, 307.006



39, 4.831, 280.486



23, 81.502, 301.586



3, 18.291, 285.408

Previews

White Background



This preview shows how the CIELCh color 69, 60.354, 90.116 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, 60.354, 90.116 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, 60.354, 90.116

Background



This preview shows how black text looks on a background with the CIELCh color 69, 60.354, 90.116.



This preview shows how white text looks on a background with the CIELCh color 69, 60.354, 90.116.

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, 60.354, 90.116

Protanopia

69, 60.268, 95.388

Deuteranopia

69, 60.509, 81.583



Tritanopia
69, 20.851, 3.229

Trichromacy



Original Color
69, 60.354, 90.116

Protanomaly
69, 60.231, 93.632

Deuteranomaly
69, 60.296, 84.706

Tritanomaly
69, 26.700, 63.937

Monochromacy



Original Color
69, 60.354, 90.116

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 23.011, 95.196

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 60.354, 90.116 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(198, 166, 51)` looks like.

```
.text, #text, p{  
    color:rgb(198, 166, 51)  
}
```

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(198, 166, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 166, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 60.354, 90.116 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(198, 166, 51) }
```

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

```
.border{ border-color:rgb(198, 166, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 166, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 166, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 166, 51);  
box-shadow:4px 4px 4px 4px rgb(198, 166,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 60.354, 90.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 166, 51) }
```

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

```
.background{ background-color: rgb(198,  
166, 51) }
```

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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