

Converting Colors

CIELCh(69, 56.591, 90.561)

Have a look what the booklet for
CIELCh(69, 56.591, 90.561) contains.

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Color

CIELCh(69, 56.591, 90.561)

Conversions

Conversions Part 1

Format	Color
Hex	C4A63C
RGB	196, 166, 60
RGB Percent	77%, 65%, 24%
CMY	0.2313, 0.3489, 0.7646
CMYK	0.00, 0.15, 0.69, 0.23
HSL	47°, 54%, 50%
HSV	47°, 69%, 77%
XYZ	37.2263, 39.3444, 9.9099
YIQ	162.8860, 51.9060, -26.6060

Conversions

Conversions Part 2

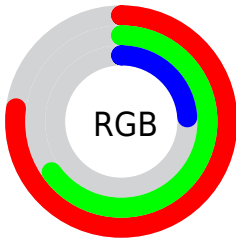
Format	Color
R _Y B	98, 196, 60
Decimal	12887612
CIE Lab	69.00, -0.55, 56.59
CIE LCh	69, 56.591, 90.561
Yxy	39.3444, 0.4305, 0.4550
Android (android.graphics.Color)	4291077692 (0xFFC4A63C)
YUV	162.8860, -50.7228, 29.0410
Hunter-Lab	62.7251, -3.8323, 34.5404

Details

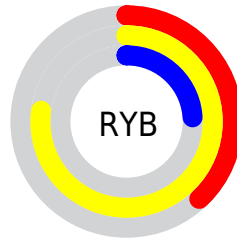
The CIELCh color **69, 56.591, 90.561** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **42, 63.716, 292.801**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 56.575, 90.901**, and **49, 55.242, 90.537** is the 20% darker color. If you saturate the color by 10%, you get **68, 62.744, 89.197**, and if you desaturate by 10%, it is **70, 49.278, 91.877**.

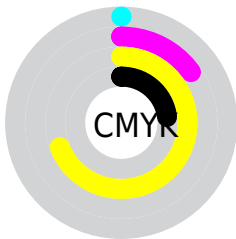
Distribution



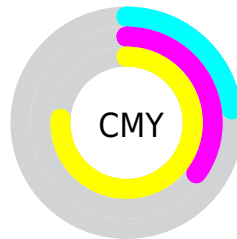
- Red (77%)
- Green (65%)
- Blue (24%)



- Red (38%)
- Yellow (77%)
- Blue (24%)



- Cyan (0%)
- Magenta (15%)
- Yellow (69%)
- Black (23%)



- Cyan (23%)
- Magenta (35%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 56.591, 90.561 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, 56.591, 90.561 by changing the saturation by 10% instead.

 69, 56.591, 90.561

 69, 56.591, 90.561

 100, 56.591,
90.561

 59, 56.591, 90.561

 89, 56.591, 90.561

 49, 56.591, 90.561

 99, 56.591, 90.561

 39, 56.591, 90.561

 29, 56.591, 90.561

 19, 56.591, 90.561

 9, 56.591, 90.561

 0, 56.591, 90.561

 69, 56.591, 90.561

 69, 56.591, 90.561

 68, 62.744, 89.197

 70, 49.278, 91.877

67, 67.078, 87.722

72, 41.315, 93.162

65, 69.346, 86.087

73, 33.028, 94.425

65, 69.474, 85.986

75, 24.613, 95.666

76, 16.181, 96.876

78, 7.792, 98.046

79, 0.523, 279.528

81, 8.747, 280.328

83, 16.875,
281.371

Harmonies

Complementary

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



69, 56.591, 90.561



42, 63.716, 292.801

Rectangle

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



69, 56.591, 90.561



69, 56.591, 140.561



69, 56.591, 270.561



69, 56.591, 320.561

Sweetspot

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



69, 56.591, 90.564



96, 21.726, 96.643



47, 57.342, 12.947



51, 14.720, 96.305



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, 56.591, 90.564



85, 79.410, 88.489



74, 68.541, 116.949



40, 4.666, 98.048



54, 60.022, 86.271



9, 14.148, 91.071

Inverse Universe

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



42, 63.716, 292.801



46, 96.368, 297.364



37, 81.677, 306.562



38, 4.712, 280.289



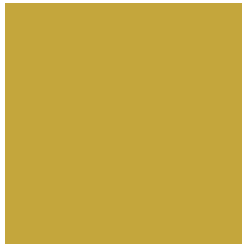
23, 80.172, 301.435



2, 16.499, 284.369

Previews

White Background



This preview shows how the CIELCh color 69, 56.591, 90.561 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 69, 56.591, 90.561 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, 56.591, 90.561

Background



This preview shows how black text looks on a background with the CIELCh color 69, 56.591, 90.561.



This preview shows how white text looks on a background with the CIELCh color 69, 56.591, 90.561.

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, 56.591, 90.561

Protanopia

69, 56.262, 95.688

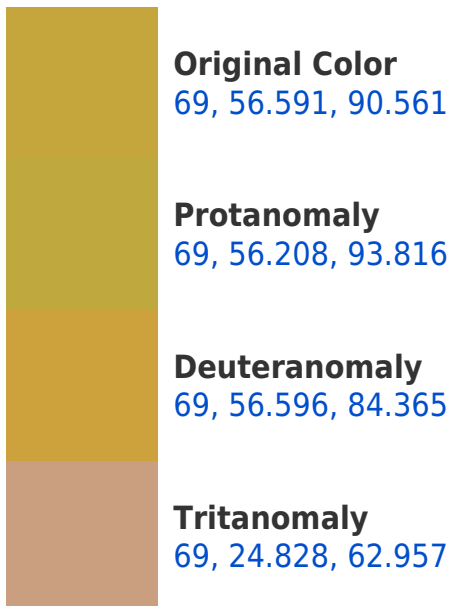
Deuteranopia

69, 56.781, 81.033



Tritanopia
69, 20.101, 2.425

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 56.591, 90.561 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(196, 166, 60)` looks like.

```
.text, #text, p{  
    color:rgb(196, 166, 60)  
}
```

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(196, 166, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 166, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 56.591, 90.561 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(196, 166, 60) }
```

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

```
.border{ border-color:rgb(196, 166, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 166, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 166, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 166, 60);  
box-shadow:4px 4px 4px 4px rgb(196, 166,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 56.591, 90.561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 166, 60) }
```

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

```
.background{ background-color: rgb(196,  
166, 60) }
```

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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