

Converting Colors

CIELCh(66, 55.130, 83.542)

Have a look what the booklet for
CIELCh(66, 55.130, 83.542) contains.

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Color

CIELCh(66, 55.133, 83.564)

Conversions

Conversions Part 1

Format	Color
Hex	C59A39
RGB	197, 154, 57
RGB Percent	77%, 60%, 22%
CMY	0.2270, 0.3957, 0.7761
CMYK	0.00, 0.22, 0.71, 0.23
HSL	42°, 55%, 50%
HSV	42°, 71%, 77%
XYZ	35.3663, 35.3238, 8.8375
YIQ	155.7990, 56.7650, -21.0510

Conversions

Conversions Part 2

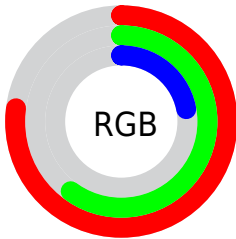
Format	Color
RYB	119, 197, 57
Decimal	12950073
CIELab	66.00, 6.18, 54.79
CIElCh	66, 55.133, 83.564
Yxy	35.3238, 0.4447, 0.4442
Android (android.graphics.Color)	4291140153 (0xFFC59A39)
YUV	155.7990, -48.7079, 36.1333
Hunter-Lab	59.4338, 2.2079, 32.7876

Details

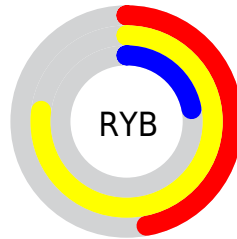
The CIELCh color **66, 55.133, 83.564** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **44, 57.995, 288.275**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 54.905, 84.300**, and **46, 53.331, 83.130** is the 20% darker color. If you saturate the color by 10%, you get **64, 61.348, 81.908**, and if you desaturate by 10%, it is **68, 47.873, 85.079**.

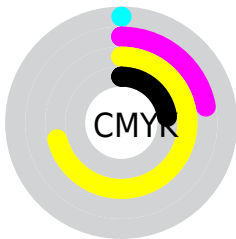
Distribution



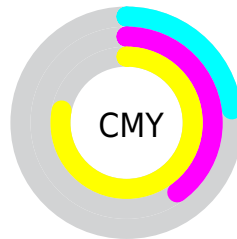
- Red (77%)
- Green (60%)
- Blue (22%)



- Red (47%)
- Yellow (77%)
- Blue (22%)



- Cyan (0%)
- Magenta (22%)
- Yellow (71%)
- Black (23%)



- Cyan (23%)
- Magenta (40%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 55.133, 83.564 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 66, 55.133, 83.564 by changing the saturation by 10% instead.

66, 55.133, 83.564

66, 55.133, 83.564

100, 55.133,
83.564

56, 55.133, 83.564

86, 55.133, 83.564

46, 55.133, 83.564

96, 55.133, 83.564

36, 55.133, 83.564

26, 55.133, 83.564

16, 55.133, 83.564

6, 55.133, 83.564

0, 55.133, 83.564

66, 55.133, 83.564

66, 55.133, 83.564

64, 61.348, 81.908

68, 47.873, 85.079

63, 65.790, 79.979

70, 40.100, 86.511

61, 68.153, 77.981

71, 32.130, 87.893

73, 24.142, 89.234

75, 16.228, 90.536

77, 8.433, 91.789

79, 0.774, 92.751

81, 6.745, 274.244

84, 14.127,
275.351

Harmonies

Complementary

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



66, 55.133, 83.564



44, 57.995, 288.275

Rectangle

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



66, 55.133, 83.564



66, 55.133, 133.564



66, 55.133, 263.564



66, 55.133, 313.564

Sweetspot

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



66, 55.133, 83.567



95, 19.976, 90.499



47, 58.536, 6.854



50, 13.553, 90.138



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 55.133, 83.567



80, 77.642, 80.936



75, 69.028, 113.052



41, 4.359, 91.988



51, 59.282, 78.375



9, 14.299, 81.700

Inverse Universe

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



44, 57.995, 288.275



49, 87.224, 293.512



36, 84.417, 305.007



39, 4.370, 274.391



27, 72.234, 297.665



3, 17.035, 282.087

Previews

White Background



This preview shows how the CIELCh color 66, 55.133, 83.564 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 66, 55.133, 83.564 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 66, 55.133, 83.564

Background



This preview shows how black text looks on a background with the CIELCh color 66, 55.133, 83.564.



This preview shows how white text looks on a background with the CIELCh color 66, 55.133, 83.564.

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

66, 55.133, 83.564

Protanopia

66, 53.736, 95.746

Deuteranopia

66, 55.334, 81.142



Tritanopia
66, 24.505, 7.756

Trichromacy



Original Color
66, 55.133, 83.564

Protanomaly
66, 53.951, 90.804

Deuteranomaly
66, 55.127, 81.567

Tritanomaly
66, 28.279, 54.955

Monochromacy



Original Color
66, 55.133, 83.564

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 20.525, 88.919

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 55.133, 83.564 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(197, 154, 57)` looks like.

```
.text, #text, p{  
    color:rgb(197, 154, 57)  
}
```

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(197, 154, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 154, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 55.133, 83.564 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(197, 154, 57) }
```

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

```
.border{ border-color:rgb(197, 154, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 154, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 154, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 154, 57);  
box-shadow:4px 4px 4px 4px rgb(197, 154,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 55.133, 83.564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 154, 57) }
```

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

```
.background{ background-color: rgb(197,  
154, 57) }
```

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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