

Converting Colors

CIELCh(68, 55.265, 89.232)

Have a look what the booklet for
CIELCh(68, 55.265, 89.232) contains.

CIELCh(68, 55.241, 89.308)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 55.241, 89.308)

Conversions

Conversions Part 1

Format	Color
Hex	C3A33D
RGB	195, 163, 61
RGB Percent	76%, 64%, 24%
CMY	0.2367, 0.3620, 0.7620
CMYK	0.00, 0.16, 0.69, 0.24
HSL	46°, 53%, 50%
HSV	46°, 69%, 76%
XYZ	36.2912, 37.9720, 9.7872
YIQ	160.9400, 51.8140, -24.9380

Conversions

Conversions Part 2

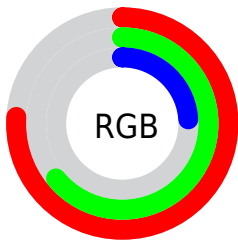
Format	Color
RYB	103, 195, 61
Decimal	12821309
CIELab	68.00, 0.67, 55.24
CIElCh	68, 55.241, 89.308
Yxy	37.9720, 0.4318, 0.4518
Android (android.graphics.Color)	4291011389 (0xFFC3A33D)
YUV	160.9400, -49.2704, 29.8706
Hunter-Lab	61.6215, -2.7123, 33.7181

Details

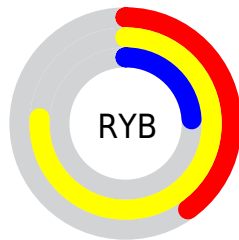
The CIELCh color **68, 55.241, 89.308** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **42, 61.236, 291.660**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 55.114, 89.683**, and **48, 54.533, 89.249** is the 20% darker color. If you saturate the color by 10%, you get **67, 61.480, 87.888**, and if you desaturate by 10%, it is **69, 47.928, 90.665**.

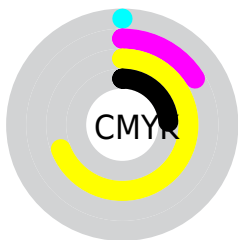
Distribution



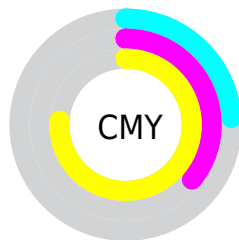
- Red (76%)
- Green (64%)
- Blue (24%)



- Red (40%)
- Yellow (76%)
- Blue (24%)



- Cyan (0%)
- Magenta (16%)
- Yellow (69%)
- Black (24%)



- Cyan (24%)
- Magenta (36%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 55.241, 89.308 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 68, 55.241, 89.308 by changing the saturation by 10% instead.

 68, 55.241, 89.308

 68, 55.241, 89.308

 100, 55.241,
89.308

 58, 55.241, 89.308

 88, 55.241, 89.308

 48, 55.241, 89.308

 98, 55.241, 89.308

 38, 55.241, 89.308

 28, 55.241, 89.308

 18, 55.241, 89.308

 8, 55.241, 89.308

 0, 55.241, 89.308

 68, 55.241, 89.308

 68, 55.241, 89.308

 67, 61.480, 87.888

 69, 47.928, 90.665

65, 65.984, 86.334

71, 40.032, 91.981

64, 68.402, 84.580

72, 31.863, 93.269

64, 68.656, 84.373

74, 23.599, 94.529

76, 15.343, 95.757

77, 7.148, 96.940

79, 0.959, 278.304

81, 8.967, 279.250

82, 16.871,
280.304

Harmonies

Complementary

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



68, 55.241, 89.308



42, 61.236, 291.660

Rectangle

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



68, 55.241, 89.308



68, 55.241, 139.308



68, 55.241, 269.308



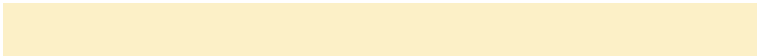
68, 55.241, 319.308

Sweetspot

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



68, 55.241, 89.311



95, 21.169, 95.453



47, 56.524, 11.424



50, 14.464, 95.108



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 55.241, 89.311



84, 78.076, 87.059



74, 67.517, 116.205



40, 4.579, 96.878



54, 59.620, 84.676



9, 13.845, 89.315

Inverse Universe

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



42, 61.236, 291.660



46, 93.240, 296.494



37, 80.641, 306.135



38, 4.618, 279.152



24, 78.422, 300.745



3, 16.267, 283.709

Previews

White Background



This preview shows how the CIELCh color 68, 55.241, 89.308 looks on a white background.

Color Contrast Check

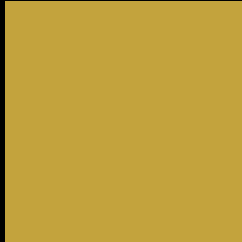
Large Text (above 18pt) WCAG AA × Fail

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 68, 55.241, 89.308 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 68, 55.241, 89.308

Background



This preview shows how black text looks on a background with the CIELCh color 68, 55.241, 89.308.



This preview shows how white text looks on a background with the CIELCh color 68, 55.241, 89.308.

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

68, 55.241, 89.308

Protanopia

68, 54.615, 95.502

Deuteranopia

68, 55.811, 81.105



Tritanopia
68, 20.923, 3.274

Trichromacy



Original Color
68, 55.241, 89.308

Protanomaly
68, 54.668, 93.105

Deuteranomaly
68, 55.406, 83.973

Tritanomaly
68, 25.184, 60.814

Monochromacy



Original Color
68, 55.241, 89.308

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 20.814, 95.326

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 55.241, 89.308 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(195, 163, 61)` looks like.

```
.text, #text, p{  
    color:rgb(195, 163, 61)  
}
```

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(195, 163, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 163, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 55.241, 89.308 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(195, 163, 61) }
```

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

```
.border{ border-color:rgb(195, 163, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 163, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 163, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 163, 61);  
box-shadow:4px 4px 4px 4px rgb(195, 163,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 55.241, 89.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 163, 61) }
```

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

```
.background{ background-color: rgb(195,  
163, 61) }
```

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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