

Converting Colors

CIELCh(68, 65.399, 83.320)

Have a look what the booklet for
CIELCh(68, 65.399, 83.320) contains.

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Color

CIELCh(68, 65.154, 83.330)

Conversions

Conversions Part 1

Format	Color
Hex	CF9E24
RGB	207, 158, 36
RGB Percent	81%, 62%, 14%
CMY	0.1871, 0.3794, 0.8576
CMYK	0.00, 0.24, 0.82, 0.19
HSL	43°, 70%, 48%
HSV	43°, 82%, 81%
XYZ	38.4020, 37.9720, 6.9985
YIQ	158.7430, 68.3660, -27.5540

Conversions

Conversions Part 2

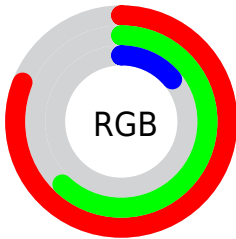
Format	Color
RYB	105, 207, 36
Decimal	13606436
CIELab	68.00, 7.57, 64.71
CIELCh	68, 65.154, 83.330
Yxy	37.9720, 0.4606, 0.4555
Android (android.graphics.Color)	4291796516 (0xFFCF9E24)
YUV	158.7430, -60.5123, 42.3214
Hunter-Lab	61.6215, 3.4021, 36.4013

Details

The CIELCh color **68, 65.154, 83.330** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark muted orange. A complement of this color would be **40, 73.488, 293.465**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 62.858, 87.872**, and **48, 55.532, 81.369** is the 20% darker color. If you saturate the color by 10%, you get **66, 69.237, 81.431**, and if you desaturate by 10%, it is **70, 59.037, 84.973**.

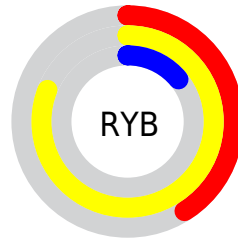
Distribution



Red (81%)

Green (62%)

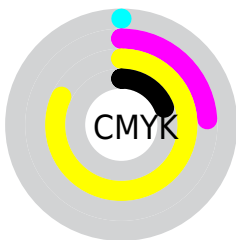
Blue (14%)



Red (41%)

Yellow (81%)

Blue (14%)

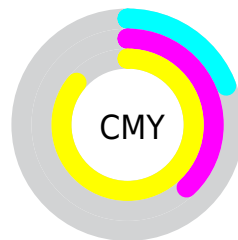


Cyan (0%)

Magenta (24%)

Yellow (82%)

Black (19%)



Cyan (19%)

Magenta (38%)

Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 65.154, 83.330 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, 65.154, 83.330 by changing the saturation by 10% instead.

 68, 65.154, 83.330

 68, 65.154, 83.330

 100, 65.154,
83.330

 58, 65.154, 83.330

 88, 65.154, 83.330

 48, 65.154, 83.330

 98, 65.154, 83.330

 38, 65.154, 83.330

 28, 65.154, 83.330

 18, 65.154, 83.330

 8, 65.154, 83.330

 0, 65.154, 83.330

 68, 65.154, 83.330

 68, 65.154, 83.330

 66, 69.237, 81.431

 70, 59.037, 84.973

65, 70.998, 79.813

71, 51.653, 86.470

73, 43.600, 87.888

75, 35.255, 89.259

77, 26.833, 90.592

79, 18.449, 91.887

81, 10.162, 93.137

83, 1.999, 94.268

85, 6.031, 275.582

Harmonies

Complementary

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



68, 65.154, 83.330



40, 73.488, 293.465

Rectangle

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



68, 65.154, 83.330



68, 65.154, 133.330



68, 65.154, 263.330



68, 65.154, 313.330

Sweetspot

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



68, 65.153, 83.333



94, 24.317, 91.526



46, 67.792, 12.697



49, 16.631, 91.066



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, 65.153, 83.333



79, 82.741, 79.717



78, 79.279, 113.856



43, 4.638, 93.509



54, 60.856, 80.203



12, 17.444, 83.566

Inverse Universe

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



40, 73.488, 293.465



42, 105.939, 299.344



32, 100.687, 306.525



41, 4.659, 275.892



27, 76.332, 298.760



4, 20.574, 285.086

Previews

White Background



This preview shows how the CIELCh color 68, 65.154, 83.330 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, 65.154, 83.330 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, 65.154, 83.330

Background



This preview shows how black text looks on a background with the CIELCh color 68, 65.154, 83.330.



This preview shows how white text looks on a background with the CIELCh color 68, 65.154, 83.330.

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, 65.154, 83.330

Protanopia

68, 63.649, 94.946

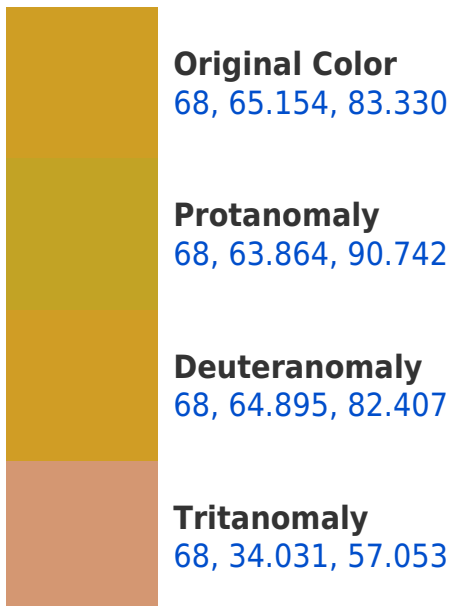
Deuteranopia

68, 65.088, 82.040



Tritanopia
68, 27.610, 8.618

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 65.154, 83.330 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(207, 158, 36)` looks like.

```
.text, #text, p{  
    color:rgb(207, 158, 36)  
}
```

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(207, 158, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 158, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 65.154, 83.330 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(207, 158, 36) }
```

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

```
.border{ border-color:rgb(207, 158, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 158, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 158, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 158, 36);  
box-shadow:4px 4px 4px 4px rgb(207, 158,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 65.154, 83.330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 158, 36) }
```

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

```
.background{ background-color: rgb(207,  
158, 36) }
```

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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