

Converting Colors

CIELCh(68, 65.053, 81.973)

Have a look what the booklet for
CIELCh(68, 65.053, 81.973) contains.

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Color

CIELCh(68, 64.785, 81.975)

Conversions

Conversions Part 1

Format	Color
Hex	D19D26
RGB	209, 157, 38
RGB Percent	82%, 62%, 15%
CMY	0.1790, 0.3830, 0.8495
CMYK	0.00, 0.25, 0.82, 0.18
HSL	42°, 69%, 49%
HSV	42°, 82%, 82%
XYZ	38.8640, 37.9720, 7.1469
YIQ	158.9820, 69.1910, -25.9850

Conversions

Conversions Part 2

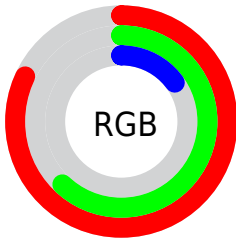
Format	Color
RYB	113, 209, 38
Decimal	13737254
CIELab	68.00, 9.04, 64.15
CIELCh	68, 64.785, 81.975
Yxy	37.9720, 0.4628, 0.4521
Android (android.graphics.Color)	4291927334 (0xFFD19D26)
YUV	158.9820, -59.6441, 43.8658
Hunter-Lab	61.6215, 4.7406, 36.2585

Details

The CIELCh color **68, 64.785, 81.975** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle washed orange. A complement of this color would be **42, 71.342, 292.168**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 62.187, 87.321**, and **48, 55.875, 79.848** is the 20% darker color. If you saturate the color by 10%, you get **66, 69.206, 80.018**, and if you desaturate by 10%, it is **70, 58.410, 83.655**.

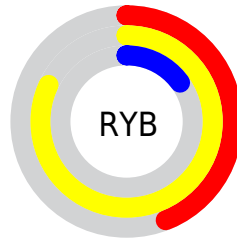
Distribution



Red (82%)

Green (62%)

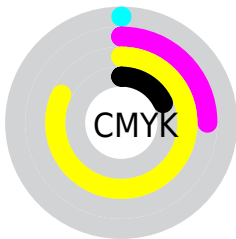
Blue (15%)



Red (44%)

Yellow (82%)

Blue (15%)

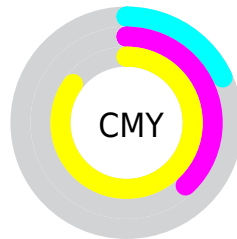


Cyan (0%)

Magenta (25%)

Yellow (82%)

Black (18%)



Cyan (18%)

Magenta (38%)

Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 64.785, 81.975 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, 64.785, 81.975 by changing the saturation by 10% instead.

 68, 64.785, 81.975

 68, 64.785, 81.975

 100, 64.785,
81.975

 58, 64.785, 81.975

 88, 64.785, 81.975

 48, 64.785, 81.975

 98, 64.785, 81.975

 38, 64.785, 81.975

 28, 64.785, 81.975

 18, 64.785, 81.975

 8, 64.785, 81.975

 0, 64.785, 81.975

 68, 64.785, 81.975

 68, 64.785, 81.975

 66, 69.206, 80.018

 70, 58.410, 83.655

65, 71.316, 78.133

72, 50.863, 85.178

73, 42.727, 86.617

75, 34.357, 88.005

77, 25.952, 89.352

79, 17.615, 90.660

81, 9.398, 91.920

84, 1.322, 92.999

86, 6.608, 274.387

Harmonies

Complementary

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



68, 64.785, 81.975



42, 71.342, 292.168

Rectangle

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



68, 64.785, 81.975



68, 64.785, 131.975



68, 64.785, 261.975



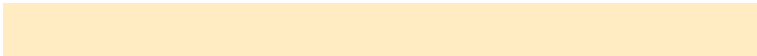
68, 64.785, 311.975

Sweetspot

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



68, 64.784, 81.978



94, 22.949, 90.323



47, 67.750, 10.947



49, 15.812, 89.853



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, 64.784, 81.978



78, 82.272, 78.287



79, 79.234, 113.008



43, 4.556, 92.195



53, 60.662, 78.568



11, 17.181, 81.752

Inverse Universe

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



42, 71.342, 292.168



43, 102.185, 298.184



33, 100.852, 306.215



41, 4.568, 274.608



27, 74.390, 297.894



4, 20.253, 284.387

Previews

White Background



This preview shows how the CIELCh color 68, 64.785, 81.975 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, 64.785, 81.975 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, 64.785, 81.975

Background



This preview shows how black text looks on a background with the CIELCh color 68, 64.785, 81.975.



This preview shows how white text looks on a background with the CIELCh color 68, 64.785, 81.975.

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, 64.785, 81.975

Protanopia

68, 62.700, 94.921

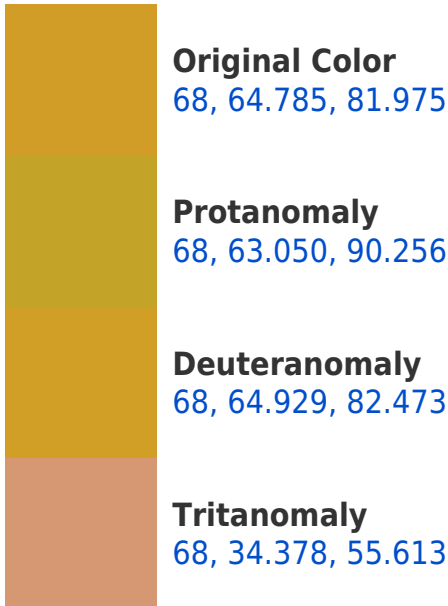
Deuteranopia

68, 64.929, 82.473



Tritanopia
68, 28.344, 10.187

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 64.785, 81.975 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(209, 157, 38)` looks like.

```
.text, #text, p{  
    color:rgb(209, 157, 38)  
}
```

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(209, 157, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 157, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 64.785, 81.975 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(209, 157, 38) }
```

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

```
.border{ border-color:rgb(209, 157, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 157, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 157, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 157, 38);  
box-shadow:4px 4px 4px 4px rgb(209, 157,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 64.785, 81.975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 157, 38) }
```

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

```
.background{ background-color: rgb(209,  
157, 38) }
```

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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