

Converting Colors

CIELCh(68, 68.797, 77.894)

Have a look what the booklet for
CIELCh(68, 68.797, 77.894) contains.

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Color

CIELCh(68, 68.856, 77.974)

Conversions

Conversions Part 1	
Format	Color
Hex	DA9A1D
RGB	218, 154, 29
RGB Percent	85%, 60%, 11%
CMY	0.1463, 0.3971, 0.8877
CMYK	0.00, 0.29, 0.87, 0.15
HSL	40°, 77%, 48%
HSV	40°, 87%, 85%
XYZ	40.5537, 37.9720, 6.3312
YIQ	158.8860, 78.2690, -25.3070

Conversions

Conversions Part 2

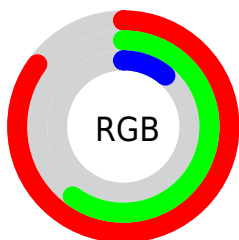
Format	Color
RYB	126, 218, 29
Decimal	14326301
CIELab	68.00, 14.35, 67.34
CIELCh	68, 68.856, 77.974
Yxy	37.9720, 0.4779, 0.4475
Android (android.graphics.Color)	4292516381 (0xFFDA9A1D)
YUV	158.8860, -64.0338, 51.8430
Hunter-Lab	61.6215, 9.6352, 37.0434

Details

The CIELCh color **68, 68.856, 77.974** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **43, 74.709, 291.997**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 63.985, 86.337**, and **48, 57.690, 74.638** is the 20% darker color. If you saturate the color by 10%, you get **66, 72.361, 75.617**, and if you desaturate by 10%, it is **70, 63.012, 79.894**.

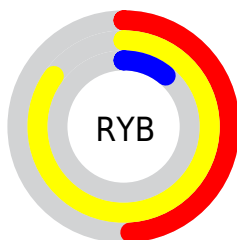
Distribution



Red (85%)

Green (60%)

Blue (11%)



Red (49%)

Yellow (85%)

Blue (11%)

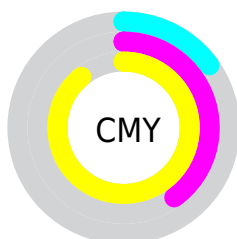


Cyan (0%)

Magenta (29%)

Yellow (87%)

Black (15%)



Cyan (15%)

Magenta (40%)

Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 68.856, 77.974 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, 68.856, 77.974 by changing the saturation by 10% instead.

 68, 68.856, 77.974

 68, 68.856, 77.974

 100, 68.856,
77.974

 58, 68.856, 77.974

 88, 68.856, 77.974

 48, 68.856, 77.974

 98, 68.856, 77.974

 38, 68.856, 77.974

 28, 68.856, 77.974

 18, 68.856, 77.974

 8, 68.856, 77.974

 0, 68.856, 77.974

 68, 68.856, 77.974

 68, 68.856, 77.974

 66, 72.361, 75.617

 70, 63.012, 79.894

66, 73.219, 74.833

72, 55.638, 81.554

74, 47.469, 83.076

76, 38.978, 84.523

78, 30.427, 85.920

81, 21.955, 87.276

83, 13.626, 88.587

85, 5.469, 89.835

88, 2.512, 271.216

Harmonies

Complementary

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



68, 68.856, 77.974



43, 74.709, 291.997

Rectangle

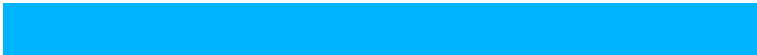
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 68.856, 77.974



68, 68.856, 127.974



68, 68.856, 257.974



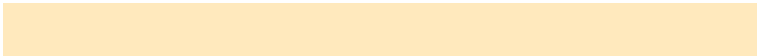
68, 68.856, 307.974

Sweetspot

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



68, 68.855, 77.977



93, 24.163, 87.357



48, 72.032, 10.433



49, 16.438, 86.889



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, 68.855, 77.977



76, 82.499, 74.545



82, 83.721, 111.390



45, 4.581, 89.521



53, 61.801, 75.325



13, 19.432, 78.075

Inverse Universe

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



43, 74.709, 291.997



44, 99.085, 297.050



31, 109.467, 306.253



43, 4.577, 271.999



30, 72.327, 296.149



5, 22.512, 285.163

Previews

White Background



This preview shows how the CIELCh color 68, 68.856, 77.974 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 68, 68.856, 77.974 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, 68.856, 77.974

Background



This preview shows how black text looks on a background with the CIELCh color 68, 68.856, 77.974.



This preview shows how white text looks on a background with the CIELCh color 68, 68.856, 77.974.

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, 68.856, 77.974

Protanopia

68, 65.386, 94.986

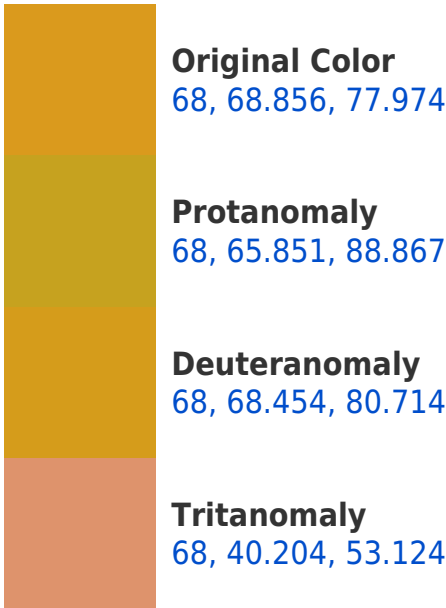
Deuteranopia

68, 68.214, 82.274

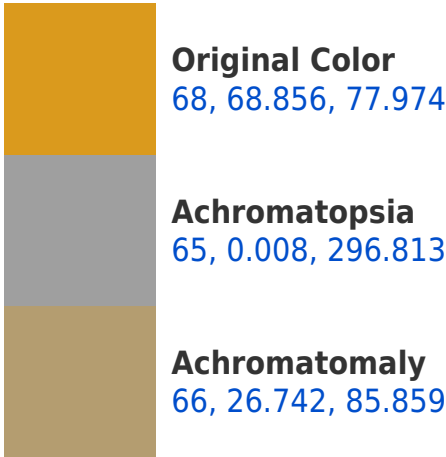


Tritanopia
68, 32.856, 12.447

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 68.856, 77.974 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(218, 154, 29)` looks like.

```
.text, #text, p{  
    color:rgb(218, 154, 29)  
}
```

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(218, 154, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 154, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 68.856, 77.974 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(218, 154, 29) }
```

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

```
.border{ border-color:rgb(218, 154, 29) }
```

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

Here you see how a box with a 4 pixel rgb(218, 154, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 154, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 154, 29);  
box-shadow:4px 4px 4px 4px rgb(218, 154,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 68.856, 77.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 154, 29) }
```

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

```
.background{ background-color: rgb(218,  
154, 29) }
```

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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