

# Converting Colors

CIELCh(70, 42.491, 78.042)

Have a look what the booklet for  
CIELCh(70, 42.491, 78.042) contains.

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# Color

**CIELCh(70, 42.465, 77.726)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1A35F
RGB	209, 163, 95
RGB Percent	82%, 64%, 37%
CMY	0.1790, 0.3595, 0.6262
CMYK	0.00, 0.22, 0.54, 0.18
HSL	36°, 56%, 60%
HSV	36°, 54%, 82%
XYZ	41.6303, 40.7494, 16.5714
YIQ	169.0020, 49.2440, -11.3960

# Conversions

## Conversions Part 2

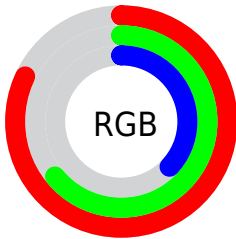
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 209, 95
Decimal	13738847
CIELab	70.00, 9.03, 41.49
CIELCh	70, 42.465, 77.726
Yxy	40.7494, 0.4207, 0.4118
Android (android.graphics.Color)	4291928927 (0xFFD1A35F)
YUV	169.0020, -36.4830, 35.0782
Hunter-Lab	63.8353, 4.6973, 29.2933

# Details

The CIELCh color **70, 42.465, 77.726** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **58, 39.949, 275.817**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 39.832, 84.742**, and **50, 42.406, 77.148** is the 20% darker color. If you saturate the color by 10%, you get **68, 50.579, 76.223**, and if you desaturate by 10%, it is **72, 34.279, 79.166**.

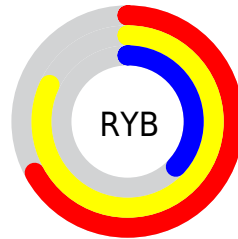
# Distribution



Red (82%)

Green (64%)

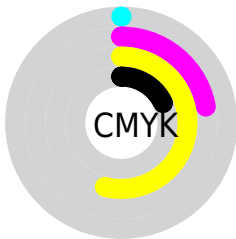
Blue (37%)



Red (67%)

Yellow (82%)

Blue (37%)

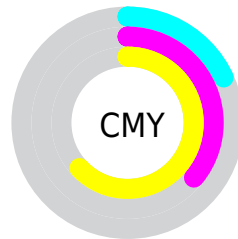


Cyan (0%)

Magenta (22%)

Yellow (54%)

Black (18%)



Cyan (18%)

Magenta (36%)

Yellow (63%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 42.465, 77.726 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 70, 42.465, 77.726 by changing the saturation by 10% instead.



 70, 42.465, 77.726

 70, 42.465, 77.726

 100, 42.465,  
77.726

 60, 42.465, 77.726

 90, 42.465, 77.726

 50, 42.465, 77.726

 40, 42.465, 77.726

 30, 42.465, 77.726

 20, 42.465, 77.726

 10, 42.465, 77.726

 0, 42.465, 77.726

 70, 42.465, 77.726

 70, 42.465, 77.726

 68, 50.579, 76.223

 72, 34.279, 79.166

65, 58.262, 74.580

75, 26.202, 80.558

63, 64.883, 72.667

77, 18.321, 81.911

61, 69.555, 70.251

80, 10.666, 83.221

60, 71.443, 68.753

83, 3.241, 84.439

85, 3.963, 265.848

88, 10.961,  
266.991

91, 14.221,  
260.942

93, 12.650,  
238.710

# Harmonies

# Complementary

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



70, 42.465, 77.726



58, 39.949, 275.817

# Rectangle

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



70, 42.465, 77.726



70, 42.465, 127.726



70, 42.465, 257.726



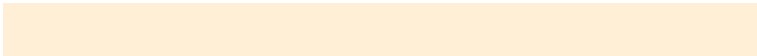
70, 42.465, 307.726

# Sweetspot

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



70, 42.465, 77.730



95, 13.874, 83.001



56, 50.152, 355.230



50, 9.398, 82.731



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



70, 42.465, 77.730



81, 59.857, 76.025



81, 57.668, 109.043



43, 4.143, 83.861



49, 60.668, 69.319



10, 16.076, 70.525





# Inverse Universe

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



58, 39.949, 275.817



64, 56.187, 279.377



47, 67.156, 300.348



42, 4.108, 266.390



32, 63.143, 291.873



5, 18.284, 279.374



# Previews

## White Background



This preview shows how the CIELCh color 70, 42.465, 77.726 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 70, 42.465, 77.726 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

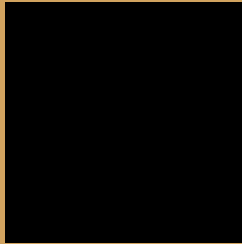
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 70, 42.465, 77.726

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 42.465, 77.726.



This preview shows how white text looks on a background with the CIELCh color 70, 42.465, 77.726.

# 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

70, 42.465, 77.726

### Protanopia

70, 39.793, 95.474

### Deuteranopia

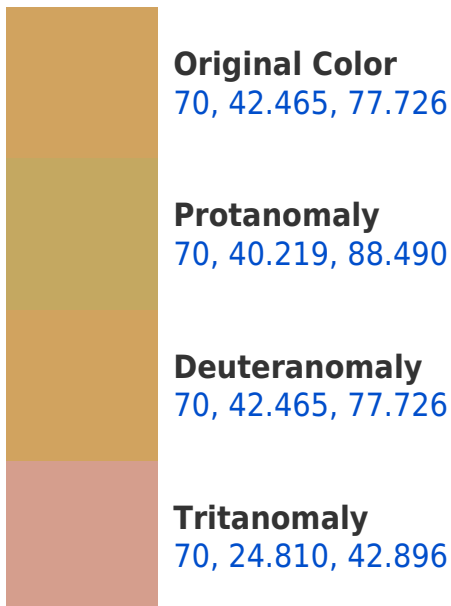
70, 42.465, 77.726



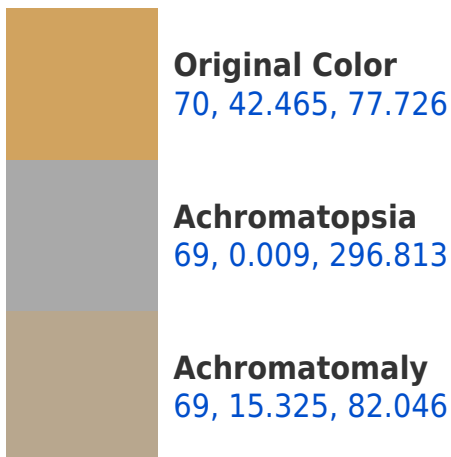
**Tritanopia**  
70, 24.271, 6.298



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 42.465, 77.726 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, 163, 95)` looks like.

```
.text, #text, p{  
    color:rgb(209, 163, 95)  
}
```

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, 163, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 163, 95) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 42.465, 77.726 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, 163, 95) }
```

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

```
.border{ border-color:rgb(209, 163, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 163, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 163, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 163, 95);  
box-shadow:4px 4px 4px 4px rgb(209, 163,  
95) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 42.465, 77.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 163, 95) }
```

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

```
.background{ background-color: rgb(209,  
163, 95) }
```

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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