

# Converting Colors

CIELCh(72, 56.138, 72.943)

Have a look what the booklet for  
CIELCh(72, 56.138, 72.943) contains.

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# **Color**

**CIELCh(72, 56.191, 72.900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6A34C
RGB	230, 163, 76
RGB Percent	90%, 64%, 30%
CMY	0.0971, 0.3599, 0.7011
CMYK	0.00, 0.29, 0.67, 0.10
HSL	34°, 76%, 60%
HSV	34°, 67%, 90%
XYZ	47.1589, 43.6590, 12.8167
YIQ	173.1150, 67.8590, -12.8530

# Conversions

## Conversions Part 2

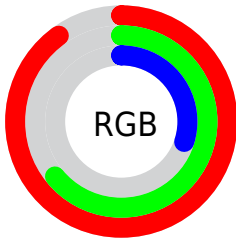
<b>Format</b>	<b>Color</b>
<b>RYB</b>	195, 230, 76
Decimal	15115084
CIELab	72.00, 16.52, 53.71
CIELCh	72, 56.191, 72.900
Yxy	43.6590, 0.4550, 0.4213
Android (android.graphics.Color)	4293305164 (0xFFE6A34C)
YUV	173.1150, -47.8777, 49.8881
Hunter-Lab	66.0750, 11.7674, 34.7519

# Details

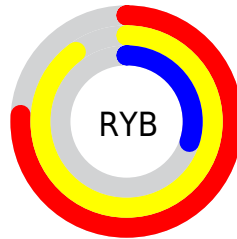
The CIELCh color **72, 56.191, 72.900** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **59, 50.723, 277.098**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 48.790, 87.823**, and **52, 56.231, 72.823** is the 20% darker color. If you saturate the color by 10%, you get **69, 64.467, 71.219**, and if you desaturate by 10%, it is **75, 47.397, 74.418**.

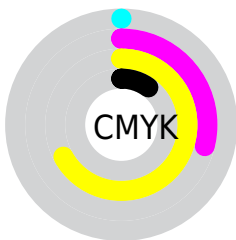
# Distribution



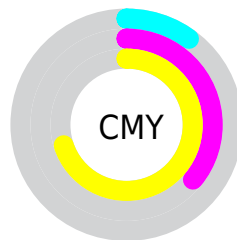
- Red (90%)
- Green (64%)
- Blue (30%)



- Red (76%)
- Yellow (90%)
- Blue (30%)



- Cyan (0%)
- Magenta (29%)
- Yellow (67%)
- Black (10%)



- Cyan (10%)
- Magenta (36%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 56.191, 72.900 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 72, 56.191, 72.900 by changing the saturation by 10% instead.



72, 56.191, 72.900

72, 56.191, 72.900

100, 56.191,  
72.900

62, 56.191, 72.900

92, 56.191, 72.900

52, 56.191, 72.900

42, 56.191, 72.900

32, 56.191, 72.900

22, 56.191, 72.900

12, 56.191, 72.900

2, 56.191, 72.900

0, 56.191, 72.900

72, 56.191, 72.900

72, 56.191, 72.900

69, 64.467, 71.219

75, 47.397, 74.418

67, 71.445, 69.183

77, 38.531, 75.851

65, 76.131, 66.515

80, 29.816, 77.239

64, 77.330, 65.641

83, 21.351, 78.593

86, 13.171, 79.912

89, 5.278, 81.166

92, 2.343, 262.639

95, 7.385, 253.392

98, 7.915, 204.984

# Harmonies

# Complementary

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



72, 56.191, 72.900



59, 50.723, 277.098

# Rectangle

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



72, 56.191, 72.900



72, 56.191, 122.900



72, 56.191, 252.900



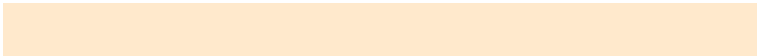
72, 56.191, 302.900

# Sweetspot

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



72, 56.190, 72.904



93, 17.032, 79.493



56, 65.072, 355.636



49, 11.680, 79.120



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



72, 56.190, 72.904



75, 72.533, 70.549



88, 73.740, 106.625



47, 4.354, 80.858



50, 63.800, 66.287



13, 21.111, 67.765





# Inverse Universe

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



59, 50.723, 277.098



59, 66.122, 282.282



42, 90.761, 302.038



46, 4.299, 263.421



35, 62.533, 289.691



7, 22.085, 281.529



# Previews

## White Background



This preview shows how the CIELCh color 72, 56.191, 72.900 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 72, 56.191, 72.900 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 72, 56.191, 72.900

## Background



This preview shows how black text looks on a background with the CIELCh color 72, 56.191, 72.900.



This preview shows how white text looks on a background with the CIELCh color 72, 56.191, 72.900.

# 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

72, 56.191, 72.900

### Protanopia

72, 51.316, 95.714

### Deuteranopia

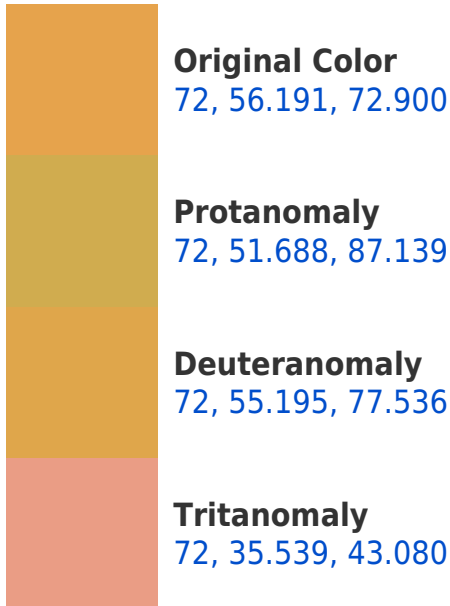
72, 54.620, 80.360



**Tritanopia**  
72, 32.832, 12.360



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 56.191, 72.900 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(230, 163, 76)` looks like.

```
.text, #text, p{  
    color:rgb(230, 163, 76)  
}
```

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(230, 163, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 163, 76) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 56.191, 72.900 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(230, 163, 76) }
```

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

```
.border{ border-color:rgb(230, 163, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 163, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 163, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 163, 76);  
box-shadow:4px 4px 4px 4px rgb(230, 163,  
76) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 56.191, 72.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 163, 76) }
```

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

```
.background{ background-color: rgb(230,  
163, 76) }
```

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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