

# Converting Colors

CIELCh(72, 69.355, 80.354)

Have a look what the booklet for  
CIELCh(72, 69.355, 80.354) contains.

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# Color

**CIELCh(72, 69.355, 80.354)**

# Conversions

Conversions Part 1	
Format	Color
Hex	E2A626
RGB	226, 166, 38
RGB Percent	89%, 65%, 15%
CMY	0.1131, 0.3484, 0.8503
CMYK	0.00, 0.27, 0.83, 0.11
HSL	41°, 77%, 52%
HSV	41°, 83%, 89%
XYZ	45.4287, 43.6590, 7.8810
YIQ	169.3480, 76.8480, -27.0880

# Conversions

## Conversions Part 2

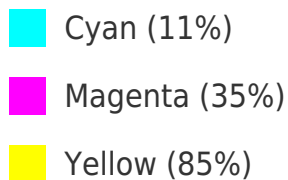
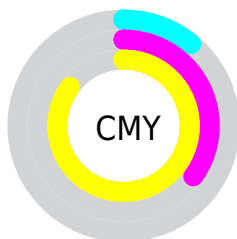
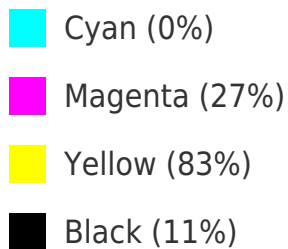
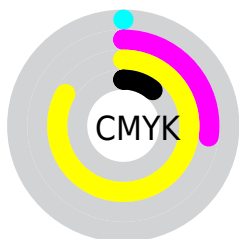
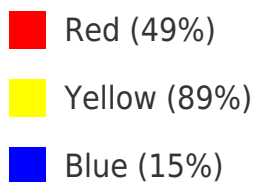
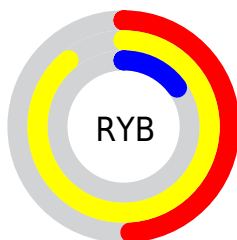
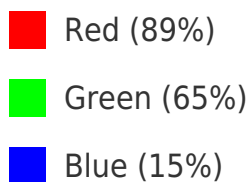
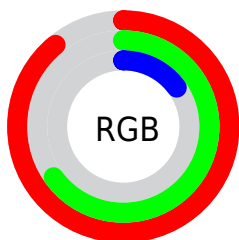
Format	Color
<a href="#">RYB</a>	<a href="#">126, 226, 38</a>
Decimal	<a href="#">14853670</a>
CIELab	<a href="#">72.00, 11.62, 68.37</a>
CIELCh	<a href="#">72, 69.355, 80.354</a>
Yxy	<a href="#">43.6590, 0.4685, 0.4502</a>
Android (android.graphics.Color)	<a href="#">4293043750</a> (0xFFE2A626)
YUV	<a href="#">169.3480, -64.7546, 49.6838</a>
Hunter-Lab	<a href="#">66.0750, 7.0934, 39.1807</a>

# Details

The CIELCh color **72, 69.355, 80.354** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **45, 75.712, 291.908**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 64.021, 91.841**, and **52, 59.977, 77.770** is the 20% darker color. If you saturate the color by 10%, you get **70, 73.707, 78.246**, and if you desaturate by 10%, it is **74, 62.791, 82.123**.

# Distribution



# Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 69.355, 80.354 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, 69.355, 80.354 by changing the saturation by 10% instead.



 72, 69.355, 80.354

 72, 69.355, 80.354

 100, 69.355,  
80.354

 62, 69.355, 80.354

 92, 69.355, 80.354

 52, 69.355, 80.354

 42, 69.355, 80.354

 32, 69.355, 80.354

 22, 69.355, 80.354

 12, 69.355, 80.354

 2, 69.355, 80.354

 0, 69.355, 80.354

 72, 69.355, 80.354

 72, 69.355, 80.354

 70, 73.707, 78.246

 74, 62.791, 82.123

 69, 75.432, 76.577

 76, 54.882, 83.700

 78, 46.298, 85.176

 80, 37.450, 86.592

 82, 28.566, 87.964

 85, 19.766, 89.296

 87, 11.105, 90.580

 89, 2.607, 91.756

 92, 5.724, 273.101

# Harmonies

# Complementary

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



72, 69.355, 80.354



45, 75.712, 291.908

# Rectangle

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



72, 69.355, 80.354



72, 69.355, 130.354



72, 69.355, 260.354



72, 69.355, 310.354

# Sweetspot

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



72, 69.354, 80.357



94, 23.604, 89.027



50, 72.634, 10.310



49, 16.155, 88.557



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, 69.354, 80.357



77, 82.580, 76.375



85, 84.723, 112.188



46, 4.757, 91.037



55, 62.560, 77.077



14, 21.000, 79.989





# Inverse Universe

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



45, 75.712, 291.908



43, 102.062, 298.066



34, 109.017, 306.154



44, 4.763, 273.493



29, 75.421, 297.239



5, 24.446, 287.206



# Previews

## White Background



This preview shows how the CIELCh color 72, 69.355, 80.354 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, 69.355, 80.354 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, 69.355, 80.354

## Background



This preview shows how black text looks on a background with the CIELCh color 72, 69.355, 80.354.



This preview shows how white text looks on a background with the CIELCh color 72, 69.355, 80.354.

# 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, 69.355, 80.354

### Protanopia

72, 66.774, 95.056

### Deuteranopia

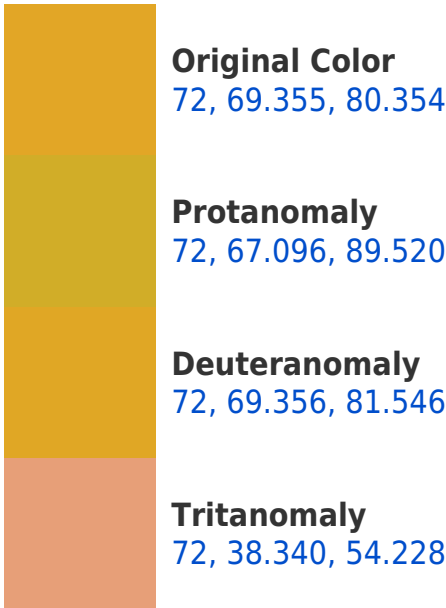
72, 69.295, 82.344



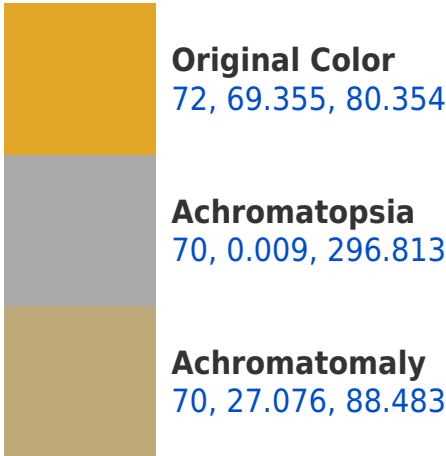
**Tritanopia**  
72, 31.642, 10.843



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 69.355, 80.354 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(226, 166, 38)` looks like.

```
.text, #text, p{  
    color:rgb(226, 166, 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(226, 166, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 166, 38) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 69.355, 80.354 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(226, 166, 38) }
```

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

```
.border{ border-color:rgb(226, 166, 38) }
```

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

Here you see how a box with a 4 pixel rgb(226, 166, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 166, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 166, 38);  
box-shadow:4px 4px 4px 4px rgb(226, 166,  
38) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 69.355, 80.354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 166, 38) }
```

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

```
.background{ background-color: rgb(226,  
166, 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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