

# Converting Colors

CIELCh(72, 52.827, 71.220)

Have a look what the booklet for  
CIELCh(72, 52.827, 71.220) contains.

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# Color

**CIELCh(72, 52.827, 71.220)**

# Conversions

Conversions Part 1	
Format	Color
Hex	E6A354
RGB	230, 163, 84
RGB Percent	90%, 64%, 33%
CMY	0.0980, 0.3607, 0.6706
CMYK	0.00, 0.29, 0.63, 0.10
HSL	32°, 74%, 62%
HSV	32°, 63%, 90%
XYZ	47.3323, 43.6590, 14.3204
YIQ	174.0270, 65.2910, -10.3650

# Conversions

## Conversions Part 2

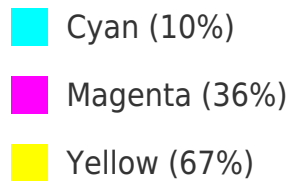
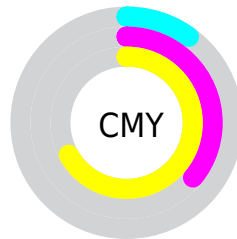
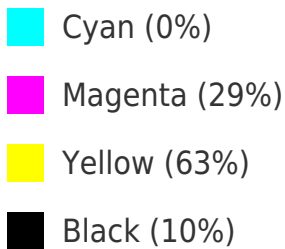
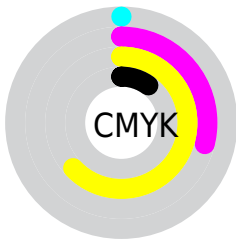
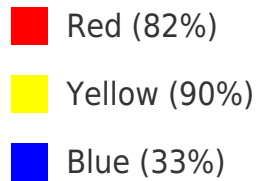
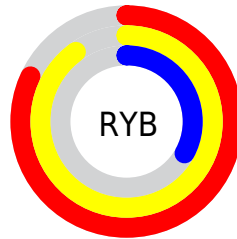
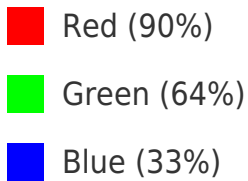
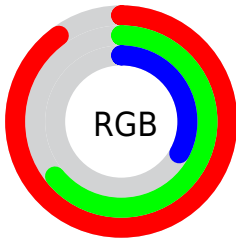
Format	Color
<a href="#">RYB</a>	<a href="#">208, 230, 84</a>
Decimal	<a href="#">15115092</a>
CIELab	<a href="#">72.00, 17.01, 50.01</a>
CIELCh	<a href="#">72, 52.827, 71.220</a>
Yxy	<a href="#">43.6590, 0.4494, 0.4146</a>
Android (android.graphics.Color)	<a href="#">4293305172</a> (0xFFE6A354)
YUV	<a href="#">174.0270, -44.3833, 49.0883</a>
Hunter-Lab	<a href="#">66.0750, 12.2358, 33.4026</a>

# Details

The CIELCh color **72, 52.827, 71.220** 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 **61, 46.379, 273.607**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 45.033, 86.721**, and **52, 52.686, 71.235** is the 20% darker color. If you saturate the color by 10%, you get **69, 61.490, 69.655**, and if you desaturate by 10%, it is **75, 43.909, 72.664**.

# Distribution



# Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 52.827, 71.220 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, 52.827, 71.220 by changing the saturation by 10% instead.



 72, 52.827, 71.220

 72, 52.827, 71.220

 100, 52.827,  
71.220

 62, 52.827, 71.220

 92, 52.827, 71.220

 52, 52.827, 71.220

 42, 52.827, 71.220

 32, 52.827, 71.220

 22, 52.827, 71.220

 12, 52.827, 71.220

 2, 52.827, 71.220

 0, 52.827, 71.220

 72, 52.827, 71.220

 72, 52.827, 71.220

 69, 61.490, 69.655

 75, 43.909, 72.664

 67, 69.253, 67.805

 78, 35.077, 74.044

 64, 75.113, 65.398

 81, 26.487, 75.392

 63, 77.833, 63.524

 84, 18.204, 76.714

 87, 10.240, 77.999

 90, 2.584, 79.162

 93, 4.784, 260.618

 96, 7.022, 232.693

 98, 8.520, 198.945

# Harmonies

# Complementary

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



72, 52.827, 71.220



61, 46.379, 273.607

# Rectangle

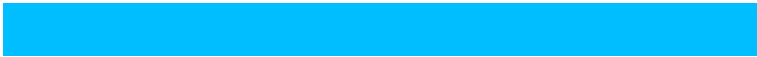
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 52.827, 71.220



72, 52.827, 121.220



72, 52.827, 251.220



72, 52.827, 301.220

# Sweetspot

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



72, 52.826, 71.224



93, 15.877, 77.281



57, 62.851, 353.676



49, 10.991, 76.908



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, 52.826, 71.224



75, 69.102, 69.148



89, 70.661, 106.003



47, 4.272, 78.499



49, 64.229, 64.185



13, 21.002, 65.151





# Inverse Universe

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



61, 46.379, 273.607



62, 60.276, 278.461



44, 85.794, 301.054



46, 4.204, 261.054



36, 59.769, 287.733



8, 21.235, 279.460



# Previews

## White Background



This preview shows how the CIELCh color 72, 52.827, 71.220 looks on a white background.

## Color Contrast Check

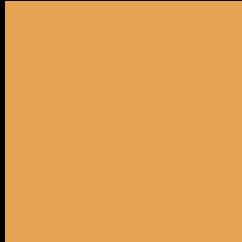
Large Text (above 18pt) WCAG AA × Fail

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, 52.827, 71.220 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

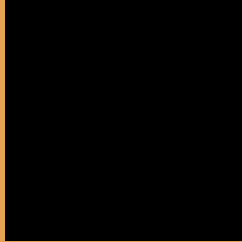
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 72, 52.827, 71.220**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 72, 52.827, 71.220.

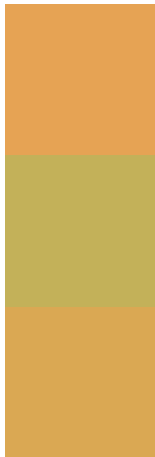


This preview shows how white text looks on a background with the CIELCh color 72, 52.827, 71.220.

# 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, 52.827, 71.220

### Protanopia

72, 47.024, 95.900

### Deuteranopia

72, 50.900, 79.550

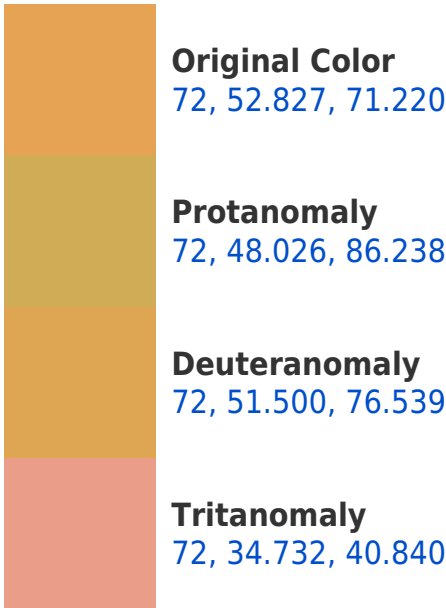


## Tritanopia

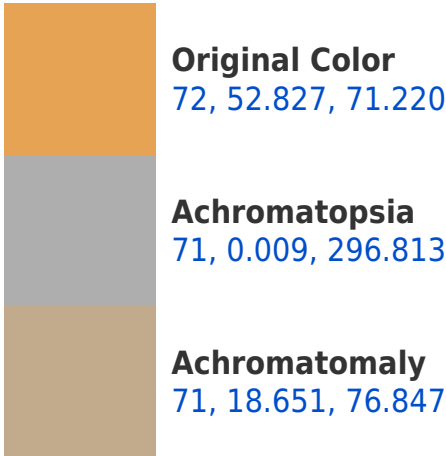
72, 32.832, 12.360



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 52.827, 71.220 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(230, 163, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 163, 84) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 52.827, 71.220 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, 84) }
```

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

```
.border{ border-color:rgb(230, 163, 84) }
```

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, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 163, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 163, 84);  
box-shadow:4px 4px 4px 4px rgb(230, 163,  
84) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 52.827, 71.220 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, 84) }
```

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

```
.background{ background-color: rgb(230,  
163, 84) }
```

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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