

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

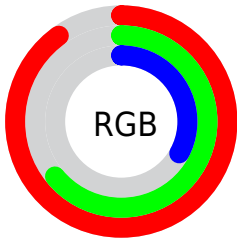
Format	Color
R _Y B	208, 230, 84
Decimal	15115092
CIE Lab	72.00, 17.01, 50.01
CIE LCh	72, 52.827, 71.220
Yxy	43.6590, 0.4494, 0.4146
Android (android.graphics.Color)	4293305172 (0xFFE6A354)
YUV	174.0270, -44.3833, 49.0883
Hunter-Lab	66.0750, 12.2358, 33.4026

Details

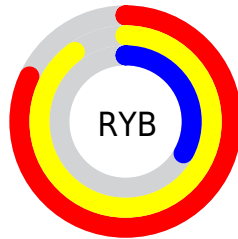
The CIELCh color **72, 52.827, 71.220** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **61, 46.379, 273.607**, and the grayscale version is **71, 0.009, 296.813**.

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**.

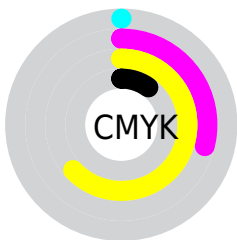
Distribution



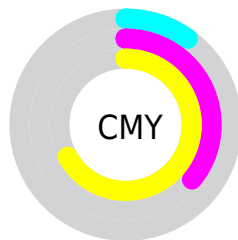
- Red (90%)
- Green (64%)
- Blue (33%)



- Red (82%)
- Yellow (90%)
- Blue (33%)



- Cyan (0%)
- Magenta (29%)
- Yellow (63%)
- Black (10%)



- Cyan (10%)
- Magenta (36%)
- Yellow (67%)

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



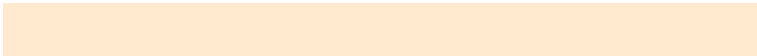
72, 52.827, 301.220

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



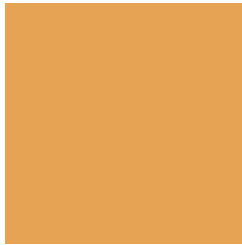
36, 59.769, 287.733



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

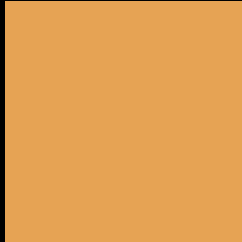
Large Text (above 18pt) WCAG AA × Fail

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

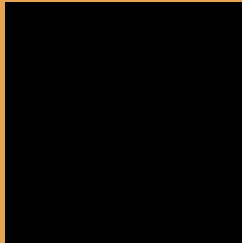
Large Text (above 18pt) WCAG AAA ✓ Pass

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



Original Color
72, 52.827, 71.220

Protanomaly
72, 48.026, 86.238

Deuteranomaly
72, 51.500, 76.539

Tritanomaly
72, 34.732, 40.840

Monochromacy



Original Color
72, 52.827, 71.220

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 18.651, 76.847

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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