

Converting Colors

CIELCh(72, 60.406, 75.510)

Have a look what the booklet for
CIELCh(72, 60.406, 75.510) contains.

CIELCh(72, 60.491, 75.653)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(72, 60.491, 75.653)

Conversions

Conversions Part 1

Format	Color
Hex	E5A441
RGB	229, 164, 65
RGB Percent	90%, 64%, 25%
CMY	0.1014, 0.3564, 0.7446
CMYK	0.00, 0.28, 0.72, 0.10
HSL	36°, 76%, 58%
HSV	36°, 72%, 90%
XYZ	46.6131, 43.6590, 10.9899
YIQ	172.1490, 70.5190, -17.0090

Conversions

Conversions Part 2

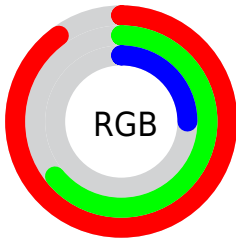
Format	Color
RYB	173, 229, 65
Decimal	15049793
CIELab	72.00, 14.99, 58.60
CIElCh	72, 60.491, 75.653
Yxy	43.6590, 0.4603, 0.4311
Android (android.graphics.Color)	4293239873 (0xFFE5A441)
YUV	172.1490, -52.8245, 49.8583
Hunter-Lab	66.0750, 10.2929, 36.3911

Details

The CIELCh color **72, 60.491, 75.653** 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 **55, 57.574, 282.165**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 53.710, 89.454**, and **52, 60.450, 75.417** is the 20% darker color. If you saturate the color by 10%, you get **70, 67.921, 73.819**, and if you desaturate by 10%, it is **74, 52.087, 77.267**.

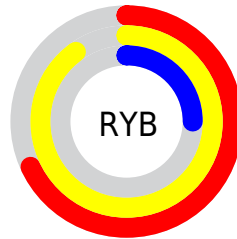
Distribution



Red (90%)

Green (64%)

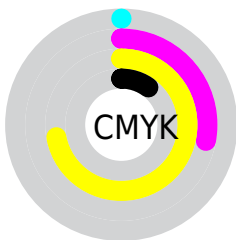
Blue (25%)



Red (68%)

Yellow (90%)

Blue (25%)

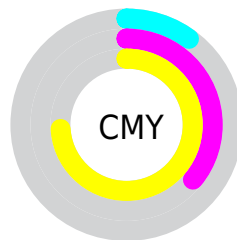


Cyan (0%)

Magenta (28%)

Yellow (72%)

Black (10%)



Cyan (10%)

Magenta (36%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 60.491, 75.653 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, 60.491, 75.653 by changing the saturation by 10% instead.

72, 60.491, 75.653

72, 60.491, 75.653

100, 60.491,
75.653

62, 60.491, 75.653

92, 60.491, 75.653

52, 60.491, 75.653

42, 60.491, 75.653

32, 60.491, 75.653

22, 60.491, 75.653

12, 60.491, 75.653

2, 60.491, 75.653

0, 60.491, 75.653

72, 60.491, 75.653

72, 60.491, 75.653

70, 67.921, 73.819

74, 52.087, 77.267

67, 73.465, 71.547

77, 43.318, 78.763

66, 76.397, 69.221

80, 34.518, 80.197

82, 25.856, 81.587

85, 17.407, 82.938

88, 9.197, 84.241

91, 1.227, 85.293

93, 6.514, 266.832

96, 7.293, 239.207

Harmonies

Complementary

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



72, 60.491, 75.653



55, 57.574, 282.165

Rectangle

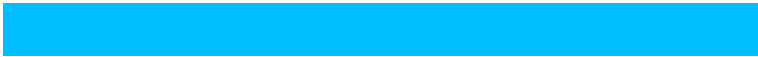
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 60.491, 75.653



72, 60.491, 125.653



72, 60.491, 255.653



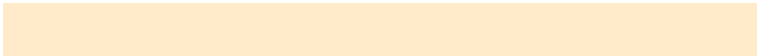
72, 60.491, 305.653

Sweetspot

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



72, 60.490, 75.656



94, 18.462, 82.998



54, 67.091, 0.644



49, 12.549, 82.628



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, 60.490, 75.656



76, 76.927, 72.770



87, 77.453, 108.922



47, 4.502, 84.507



52, 63.318, 69.820



14, 21.388, 71.972

Inverse Universe

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



55, 57.574, 282.165



54, 76.307, 287.910



40, 96.669, 303.703



45, 4.468, 267.059



33, 67.123, 292.566



7, 23.430, 284.326

Previews

White Background



This preview shows how the CIELCh color 72, 60.491, 75.653 looks on a white background.

Color Contrast Check

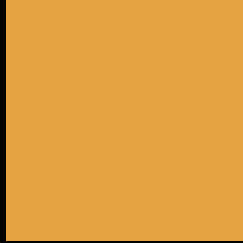
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 72, 60.491, 75.653 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, 60.491, 75.653

Background



This preview shows how black text looks on a background with the CIELCh color 72, 60.491, 75.653.



This preview shows how white text looks on a background with the CIELCh color 72, 60.491, 75.653.

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, 60.491, 75.653

Protanopia

72, 56.262, 95.527

Deuteranopia

72, 59.605, 80.927



Tritanopia
72, 32.853, 11.428

Trichromacy



Original Color
72, 60.491, 75.653

Protanomaly
72, 56.634, 87.646

Deuteranomaly
72, 60.090, 79.243

Tritanomaly
72, 36.556, 46.825

Monochromacy



Original Color
72, 60.491, 75.653

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 22.056, 81.369

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 60.491, 75.653 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(229, 164, 65)` looks like.

```
.text, #text, p{  
    color:rgb(229, 164, 65)  
}
```

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(229, 164, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 164, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 60.491, 75.653 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(229, 164, 65) }
```

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

```
.border{ border-color:rgb(229, 164, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 164, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 164, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 164, 65);  
box-shadow:4px 4px 4px 4px rgb(229, 164,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 60.491, 75.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 164, 65) }
```

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

```
.background{ background-color: rgb(229,  
164, 65) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor