

Converting Colors

CIELCh(75, 60.936, 78.600)

Have a look what the booklet for
CIELCh(75, 60.936, 78.600) contains.

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Color

CIELCh(75, 60.936, 78.600)

Conversions

Conversions Part 1

Format	Color
Hex	EAAE46
RGB	234, 174, 70
RGB Percent	92%, 68%, 27%
CMY	0.0818, 0.3171, 0.7250
CMYK	0.00, 0.26, 0.70, 0.08
HSL	38°, 80%, 60%
HSV	38°, 70%, 92%
XYZ	50.2451, 48.2781, 12.4845
YIQ	180.0840, 69.1440, -19.6240

Conversions

Conversions Part 2

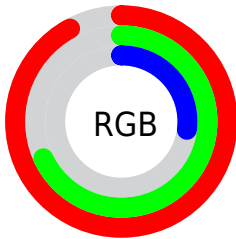
Format	Color
RYB	165, 234, 70
Decimal	15380038
CIELab	75.00, 12.04, 59.73
CIELCh	75, 60.936, 78.600
Yxy	48.2781, 0.4526, 0.4349
Android (android.graphics.Color)	4293570118 (0xFFEAAE46)
YUV	180.0840, -54.2714, 47.2843
Hunter-Lab	69.4824, 7.4852, 37.9846

Details

The CIELCh color **75, 60.936, 78.600** 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, 60.102, 284.066**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 54.551, 94.352**, and **55, 61.004, 78.695** is the 20% darker color. If you saturate the color by 10%, you get **73, 68.467, 76.824**, and if you desaturate by 10%, it is **77, 52.411, 80.192**.

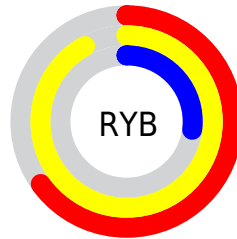
Distribution



Red (92%)

Green (68%)

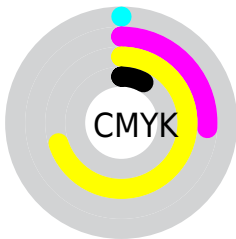
Blue (27%)



Red (65%)

Yellow (92%)

Blue (27%)

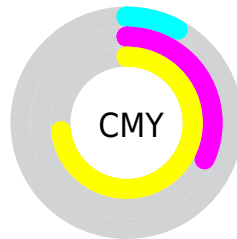


Cyan (0%)

Magenta (26%)

Yellow (70%)

Black (8%)



Cyan (8%)

Magenta (32%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 60.936, 78.600 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 75, 60.936, 78.600 by changing the saturation by 10% instead.

75, 60.936, 78.600

75, 60.936, 78.600

100, 60.936,
78.600

65, 60.936, 78.600

95, 60.936, 78.600

55, 60.936, 78.600

45, 60.936, 78.600

35, 60.936, 78.600

25, 60.936, 78.600

15, 60.936, 78.600

5, 60.936, 78.600

0, 60.936, 78.600

75, 60.936, 78.600

75, 60.936, 78.600

73, 68.467, 76.824

77, 52.411, 80.192

71, 74.123, 74.682

80, 43.484, 81.680

69, 77.386, 72.058

82, 34.483, 83.110

85, 25.580, 84.496

87, 16.853, 85.839

90, 8.336, 87.130

93, 0.032, 79.177

95, 6.924, 265.782

98, 6.122, 217.550

Harmonies

Complementary

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



75, 60.936, 78.600



55, 60.102, 284.066

Rectangle

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



75, 60.936, 78.600



75, 60.936, 128.600



75, 60.936, 258.600



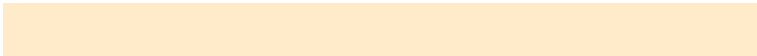
75, 60.936, 308.600

Sweetspot

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



75, 60.935, 78.603



94, 18.942, 85.701



56, 66.783, 2.814



49, 12.866, 85.331



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 60.935, 78.603



78, 75.961, 75.952



89, 77.844, 110.628



48, 4.715, 87.203



54, 63.811, 72.626



15, 22.943, 75.222

Inverse Universe

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



55, 60.102, 284.066



53, 78.338, 289.357



42, 96.051, 304.045



46, 4.697, 269.733



32, 71.599, 294.621



7, 25.701, 287.246

Previews

White Background



This preview shows how the CIELCh color 75, 60.936, 78.600 looks on a white background.

Color Contrast Check

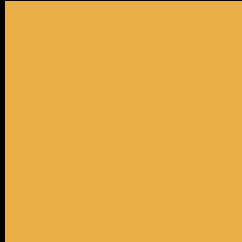
Large Text (above 18pt) WCAG AA × Fail

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 75, 60.936, 78.600 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 75, 60.936, 78.600

Background



This preview shows how black text looks on a background with the CIELCh color 75, 60.936, 78.600.



This preview shows how white text looks on a background with the CIELCh color 75, 60.936, 78.600.

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

75, 60.936, 78.600

Protanopia

75, 57.931, 95.446

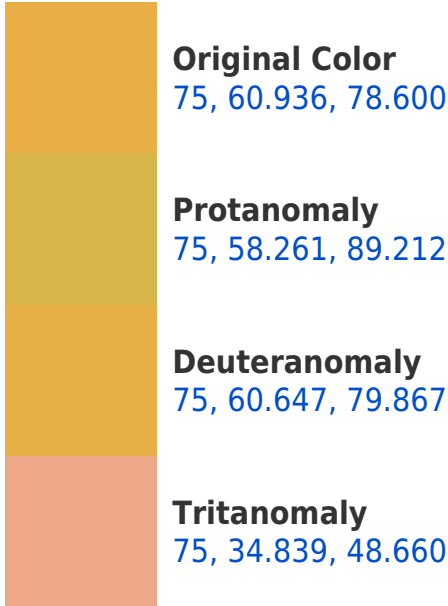
Deuteranopia

75, 60.598, 80.772

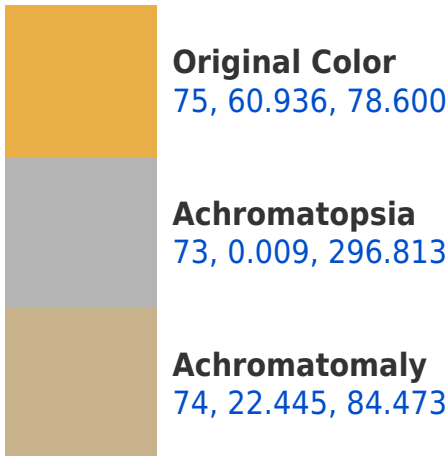


Tritanopia
75, 31.021, 9.508

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 60.936, 78.600 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(234, 174, 70)` looks like.

```
.text, #text, p{  
    color:rgb(234, 174, 70)  
}
```

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(234, 174, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 174, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 60.936, 78.600 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(234, 174, 70) }
```

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

```
.border{ border-color:rgb(234, 174, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 174, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 174, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 174, 70);  
box-shadow:4px 4px 4px 4px rgb(234, 174,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 60.936, 78.600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 174, 70) }
```

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

```
.background{ background-color: rgb(234,  
174, 70) }
```

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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