

Converting Colors

CIELCh(75, 61.999, 80.726)

Have a look what the booklet for
CIELCh(75, 61.999, 80.726) contains.

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Color

CIELCh(75, 62.024, 80.677)

Conversions

Conversions Part 1

Format	Color
Hex	E7AF42
RGB	231, 175, 66
RGB Percent	91%, 69%, 26%
CMY	0.0923, 0.3121, 0.7396
CMYK	0.00, 0.24, 0.71, 0.09
HSL	40°, 78%, 58%
HSV	40°, 71%, 91%
XYZ	49.5044, 48.2781, 11.9260
YIQ	179.3180, 68.3650, -22.0270

Conversions

Conversions Part 2

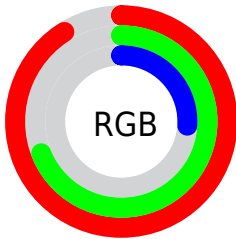
Format	Color
RYB	151, 231, 66
Decimal	15183682
CIELab	75.00, 10.05, 61.20
CIElCh	75, 62.024, 80.677
Yxy	48.2781, 0.4512, 0.4401
Android (android.graphics.Color)	4293373762 (0xFFE7AF42)
YUV	179.3180, -55.8658, 45.3251
Hunter-Lab	69.4824, 5.5822, 38.4611

Details

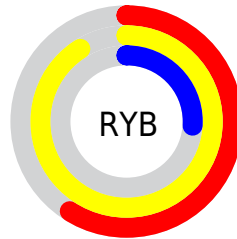
The CIELCh color **75, 62.024, 80.677** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **53, 63.217, 286.413**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 56.266, 94.980**, and **55, 61.652, 80.732** is the 20% darker color. If you saturate the color by 10%, you get **73, 69.131, 78.909**, and if you desaturate by 10%, it is **77, 53.749, 82.264**.

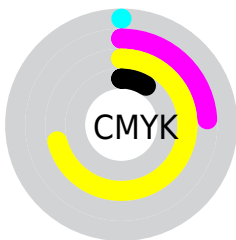
Distribution



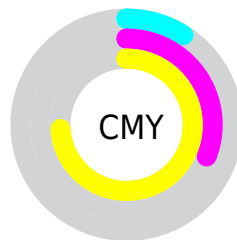
- Red (91%)
- Green (69%)
- Blue (26%)



- Red (59%)
- Yellow (91%)
- Blue (26%)



- Cyan (0%)
- Magenta (24%)
- Yellow (71%)
- Black (9%)



- Cyan (9%)
- Magenta (31%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 62.024, 80.677 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, 62.024, 80.677 by changing the saturation by 10% instead.

 75, 62.024, 80.677

 75, 62.024, 80.677

 100, 62.024,
80.677

 65, 62.024, 80.677

 95, 62.024, 80.677

 55, 62.024, 80.677

 45, 62.024, 80.677

 35, 62.024, 80.677

 25, 62.024, 80.677

 15, 62.024, 80.677

 5, 62.024, 80.677

 0, 62.024, 80.677

 75, 62.024, 80.677

 75, 62.024, 80.677

73, 69.131, 78.909

77, 53.749, 82.264

71, 74.188, 76.790

79, 44.938, 83.747

69, 76.671, 74.591

82, 35.959, 85.171

84, 27.011, 86.551

86, 18.191, 87.889

89, 9.544, 89.177

91, 1.084, 90.209

94, 7.190, 271.708

96, 6.692, 242.042

Harmonies

Complementary

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



75, 62.024, 80.677



53, 63.217, 286.413

Rectangle

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



75, 62.024, 80.677



75, 62.024, 130.677



75, 62.024, 260.677



75, 62.024, 310.677

Sweetspot

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



75, 62.024, 80.680



94, 19.388, 87.915



55, 66.903, 4.513



50, 13.162, 87.549



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, 62.024, 80.680



79, 77.527, 77.875



87, 78.287, 111.414



47, 4.749, 89.408



55, 63.137, 75.133



15, 22.006, 77.903

Inverse Universe

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



53, 63.217, 286.413



50, 83.929, 291.886



41, 96.769, 304.518



45, 4.745, 271.900



31, 73.909, 296.155



6, 25.276, 287.475

Previews

White Background



This preview shows how the CIELCh color 75, 62.024, 80.677 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, 62.024, 80.677 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, 62.024, 80.677

Background



This preview shows how black text looks on a background with the CIELCh color 75, 62.024, 80.677.



This preview shows how white text looks on a background with the CIELCh color 75, 62.024, 80.677.

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, 62.024, 80.677

Protanopia

75, 59.601, 95.522

Deuteranopia

75, 62.186, 81.195



Tritanopia
75, 29.834, 8.848

Trichromacy



Original Color
75, 62.024, 80.677

Protanomaly
75, 60.047, 90.357

Deuteranomaly
75, 62.186, 81.195

Tritanomaly
75, 33.597, 50.631

Monochromacy



Original Color
75, 62.024, 80.677

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 22.776, 85.877

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 62.024, 80.677 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(231, 175, 66)` looks like.

```
.text, #text, p{  
    color:rgb(231, 175, 66)  
}
```

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(231, 175, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 175, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 62.024, 80.677 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(231, 175, 66) }
```

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

```
.border{ border-color:rgb(231, 175, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 175, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 175, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 175, 66);  
box-shadow:4px 4px 4px 4px rgb(231, 175,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 62.024, 80.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 175, 66) }
```

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

```
.background{ background-color: rgb(231,  
175, 66) }
```

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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