

Converting Colors

CIELCh(77, 61.232, 80.416)

Have a look what the booklet for
CIELCh(77, 61.232, 80.416) contains.

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Color

CIELCh(77, 61.264, 80.371)

Conversions

Conversions Part 1

Format	Color
Hex	EEB54A
RGB	238, 181, 74
RGB Percent	93%, 71%, 29%
CMY	0.0680, 0.2914, 0.7110
CMYK	0.00, 0.24, 0.69, 0.07
HSL	39°, 83%, 61%
HSV	39°, 69%, 93%
XYZ	52.8325, 51.5317, 13.5875
YIQ	185.8450, 68.3190, -21.1930

Conversions

Conversions Part 2

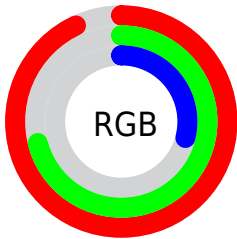
Format	Color
RYB	161, 238, 74
Decimal	15643978
CIELab	77.00, 10.25, 60.40
CIElCh	77, 61.264, 80.371
Yxy	51.5317, 0.4479, 0.4369
Android (android.graphics.Color)	4293834058 (0xFFEEB54A)
YUV	185.8450, -55.1396, 45.7399
Hunter-Lab	71.7856, 5.7469, 39.0276

Details

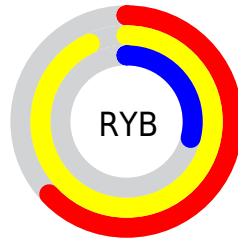
The CIELCh color **77, 61.264, 80.371** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **56, 61.591, 285.096**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 55.072, 98.057**, and **57, 61.153, 80.088** is the 20% darker color. If you saturate the color by 10%, you get **75, 68.906, 78.641**, and if you desaturate by 10%, it is **79, 52.624, 81.939**.

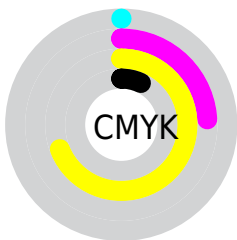
Distribution



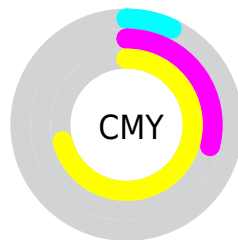
- Red (93%)
- Green (71%)
- Blue (29%)



- Red (63%)
- Yellow (93%)
- Blue (29%)



- Cyan (0%)
- Magenta (24%)
- Yellow (69%)
- Black (7%)



- Cyan (7%)
- Magenta (29%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 61.264, 80.371 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 77, 61.264, 80.371 by changing the saturation by 10% instead.

77, 61.264, 80.371

77, 61.264, 80.371

100, 61.264,
80.371

67, 61.264, 80.371

97, 61.264, 80.371

57, 61.264, 80.371

47, 61.264, 80.371

37, 61.264, 80.371

27, 61.264, 80.371

17, 61.264, 80.371

7, 61.264, 80.371

0, 61.264, 80.371

77, 61.264, 80.371

77, 61.264, 80.371

75, 68.906, 78.641

79, 52.624, 81.939

73, 74.686, 76.590

82, 43.562, 83.414

71, 77.930, 74.056

84, 34.406, 84.834

71, 78.212, 73.795

86, 25.325, 86.211

89, 16.402, 87.544

92, 7.669, 88.821

94, 0.864, 270.441

97, 5.207, 253.695

99, 5.956, 199.139

Harmonies

Complementary

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



77, 61.264, 80.371



56, 61.591, 285.096

Rectangle

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



77, 61.264, 80.371



77, 61.264, 130.371



77, 61.264, 260.371



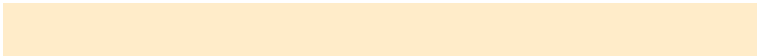
77, 61.264, 310.371

Sweetspot

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



77, 61.264, 80.374



94, 19.253, 87.269



57, 66.642, 3.815



49, 13.073, 86.901



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 61.264, 80.374



79, 75.620, 77.804



90, 78.049, 111.475



49, 4.885, 88.761



56, 64.457, 74.332



16, 24.389, 77.081

Inverse Universe

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



56, 61.591, 285.096



52, 79.708, 290.249



44, 95.627, 304.205



47, 4.876, 271.275



32, 74.683, 295.780



7, 27.630, 289.189

Previews

White Background



This preview shows how the CIELCh color 77, 61.264, 80.371 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 77, 61.264, 80.371 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 77, 61.264, 80.371

Background



This preview shows how black text looks on a background with the CIELCh color 77, 61.264, 80.371.



This preview shows how white text looks on a background with the CIELCh color 77, 61.264, 80.371.

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

77, 61.264, 80.371

Protanopia

77, 58.691, 95.685

Deuteranopia

77, 61.056, 80.739



Tritanopia
77, 29.592, 9.754

Trichromacy



Original Color
77, 61.264, 80.371

Protanomaly
77, 58.848, 89.983

Deuteranomaly
77, 61.056, 80.739

Tritanomaly
77, 33.311, 50.672

Monochromacy



Original Color
77, 61.264, 80.371

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 22.629, 85.988

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 61.264, 80.371 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(238, 181, 74)` looks like.

```
.text, #text, p{  
    color:rgb(238, 181, 74)  
}
```

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(238, 181, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 181, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 61.264, 80.371 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(238, 181, 74) }
```

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

```
.border{ border-color:rgb(238, 181, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 181, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 181, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 181, 74);  
box-shadow:4px 4px 4px 4px rgb(238, 181,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 61.264, 80.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 181, 74) }
```

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

```
.background{ background-color: rgb(238,  
181, 74) }
```

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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