

Converting Colors

CIELCh(77, 48.764, 77.987)

Have a look what the booklet for
CIELCh(77, 48.764, 77.987) contains.

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Color

CIELCh(77, 48.727, 77.785)

Conversions

Conversions Part 1

Format	Color
Hex	EAB565
RGB	234, 181, 101
RGB Percent	92%, 71%, 40%
CMY	0.0820, 0.2898, 0.6036
CMYK	0.00, 0.23, 0.57, 0.08
HSL	36°, 76%, 66%
HSV	36°, 57%, 92%
XYZ	52.8565, 51.5317, 19.4933
YIQ	187.7270, 57.2680, -13.6440

Conversions

Conversions Part 2

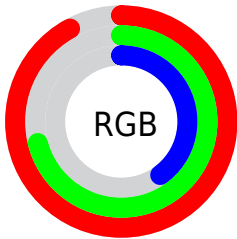
Format	Color
RYB	189, 234, 101
Decimal	15381861
CIELab	77.00, 10.31, 47.62
CIELCh	77, 48.727, 77.785
Yxy	51.5317, 0.4267, 0.4160
Android (android.graphics.Color)	4293571941 (0xFFEAB565)
YUV	187.7270, -42.7564, 40.5814
Hunter-Lab	71.7856, 5.8065, 34.1498

Details

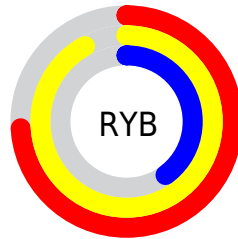
The CIELCh color **77, 48.727, 77.785** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **63, 46.003, 277.072**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 42.714, 97.051**, and **57, 48.854, 77.706** is the 20% darker color. If you saturate the color by 10%, you get **74, 57.515, 76.240**, and if you desaturate by 10%, it is **80, 39.760, 79.253**.

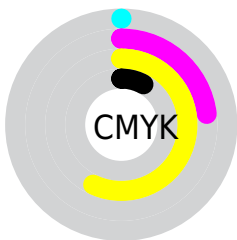
Distribution



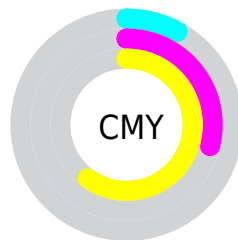
- Red (92%)
- Green (71%)
- Blue (40%)



- Red (74%)
- Yellow (92%)
- Blue (40%)



- Cyan (0%)
- Magenta (23%)
- Yellow (57%)
- Black (8%)



- Cyan (8%)
- Magenta (29%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 48.727, 77.785 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, 48.727, 77.785 by changing the saturation by 10% instead.

 77, 48.727, 77.785

 77, 48.727, 77.785

 100, 48.727,
77.785

 67, 48.727, 77.785

 97, 48.727, 77.785

 57, 48.727, 77.785

 47, 48.727, 77.785

 37, 48.727, 77.785

 27, 48.727, 77.785

 17, 48.727, 77.785

 7, 48.727, 77.785

 0, 48.727, 77.785

 77, 48.727, 77.785

 77, 48.727, 77.785

74, 57.515, 76.240

80, 39.760, 79.253

72, 65.650, 74.526

82, 30.862, 80.666

70, 72.335, 72.485

85, 22.154, 82.039

68, 76.606, 69.867

88, 13.682, 83.371

67, 77.673, 68.979

91, 5.459, 84.636

94, 2.522, 266.082

96, 6.035, 246.353

99, 7.155, 199.045

Harmonies

Complementary

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



77, 48.727, 77.785



63, 46.003, 277.072

Rectangle

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



77, 48.727, 77.785



77, 48.727, 127.785



77, 48.727, 257.785



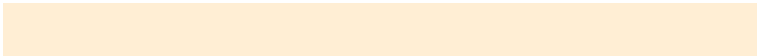
77, 48.727, 307.785

Sweetspot

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



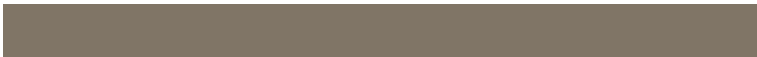
77, 48.727, 77.789



95, 14.828, 83.337



61, 56.657, 356.946



50, 9.949, 83.071



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, 48.727, 77.789



80, 62.721, 75.997



89, 65.538, 109.655



48, 4.575, 84.313



53, 64.011, 69.587



14, 22.622, 71.832

Inverse Universe

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



63, 46.003, 277.072



63, 59.338, 280.854



51, 77.015, 301.210



46, 4.540, 266.871



34, 67.655, 292.463



7, 24.480, 285.137

Previews

White Background



This preview shows how the CIELCh color 77, 48.727, 77.785 looks on a white background.

Color Contrast Check

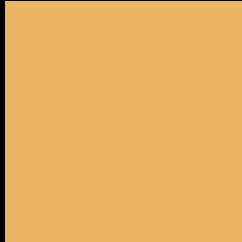
Large Text (above 18pt) WCAG AA × Fail

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, 48.727, 77.785 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, 48.727, 77.785

Background



This preview shows how black text looks on a background with the CIELCh color 77, 48.727, 77.785.



This preview shows how white text looks on a background with the CIELCh color 77, 48.727, 77.785.

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, 48.727, 77.785

Protanopia

77, 46.101, 96.258

Deuteranopia

77, 48.498, 78.225



Tritanopia
77, 27.793, 6.487

Trichromacy



Original Color
77, 48.727, 77.785

Protanomaly
77, 46.232, 89.143

Deuteranomaly
77, 48.498, 78.225

Tritanomaly
77, 28.361, 44.305

Monochromacy



Original Color
77, 48.727, 77.785

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 17.511, 81.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 48.727, 77.785 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, 181, 101)` looks like.

```
.text, #text, p{  
    color:rgb(234, 181, 101)  
}
```

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, 181, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 181, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 48.727, 77.785 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, 181, 101) }
```

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

```
.border{ border-color:rgb(234, 181, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 181, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 181, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 181, 101);  
box-shadow:4px 4px 4px 4px rgb(234, 181,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 48.727, 77.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 181, 101) }
```

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

```
.background{ background-color: rgb(234,  
181, 101) }
```

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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