

Converting Colors

CIELCh(77, 50.678, 77.962)

Have a look what the booklet for
CIELCh(77, 50.678, 77.962) contains.

CIELCh(77, 50.750, 78.145)	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(77, 50.750, 78.145)

Conversions

Conversions Part 1

Format	Color
Hex	EBB561
RGB	235, 181, 97
RGB Percent	92%, 71%, 38%
CMY	0.0787, 0.2904, 0.6198
CMYK	0.00, 0.23, 0.59, 0.08
HSL	37°, 77%, 65%
HSV	37°, 59%, 92%
XYZ	52.9013, 51.5317, 18.4521
YIQ	187.5700, 59.1480, -14.6760

Conversions

Conversions Part 2

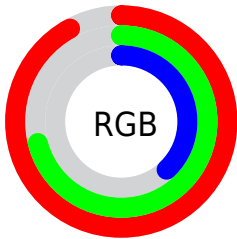
Format	Color
RYB	186, 235, 97
Decimal	15447393
CIELab	77.00, 10.43, 49.67
CIELCh	77, 50.750, 78.145
Yxy	51.5317, 0.4305, 0.4193
Android (android.graphics.Color)	4293637473 (0xFFEBB561)
YUV	187.5700, -44.6510, 41.5961
Hunter-Lab	71.7856, 5.9180, 35.0098

Details

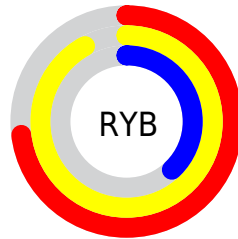
The CIELCh color **77, 50.750, 78.145** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **62, 48.239, 278.285**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 44.651, 97.280**, and **57, 50.754, 77.893** is the 20% darker color. If you saturate the color by 10%, you get **75, 59.457, 76.574**, and if you desaturate by 10%, it is **80, 41.770, 79.628**.

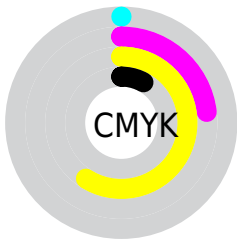
Distribution



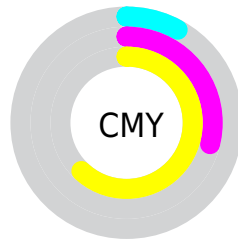
- Red (92%)
- Green (71%)
- Blue (38%)



- Red (73%)
- Yellow (92%)
- Blue (38%)



- Cyan (0%)
- Magenta (23%)
- Yellow (59%)
- Black (8%)



- Cyan (8%)
- Magenta (29%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 50.750, 78.145 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, 50.750, 78.145 by changing the saturation by 10% instead.

 77, 50.750, 78.145

 77, 50.750, 78.145

 100, 50.750,
78.145

 67, 50.750, 78.145

 97, 50.750, 78.145

 57, 50.750, 78.145

 47, 50.750, 78.145

 37, 50.750, 78.145

 27, 50.750, 78.145

 17, 50.750, 78.145

 7, 50.750, 78.145

 0, 50.750, 78.145

 77, 50.750, 78.145

 77, 50.750, 78.145

75, 59.457, 76.574

80, 41.770, 79.628

72, 67.356, 74.812

82, 32.808, 81.052

70, 73.585, 72.688

85, 24.005, 82.434

68, 77.371, 69.996

88, 15.423, 83.775

68, 77.793, 69.650

91, 7.082, 85.060

93, 1.021, 266.683

96, 6.059, 254.779

98, 6.694, 201.403

99, 6.876, 199.066

Harmonies

Complementary

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



77, 50.750, 78.145



62, 48.239, 278.285

Rectangle

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



77, 50.750, 78.145



77, 50.750, 128.145



77, 50.750, 258.145



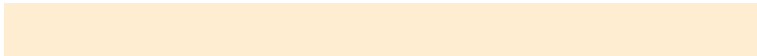
77, 50.750, 308.145

Sweetspot

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



77, 50.750, 78.149



95, 15.820, 83.861



60, 58.505, 357.364



50, 11.041, 83.475



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, 50.750, 78.149



80, 64.664, 76.312



90, 67.625, 109.537



48, 4.605, 84.969



53, 63.949, 70.258



15, 22.686, 72.592

Inverse Universe

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



62, 48.239, 278.285



61, 61.860, 282.165



49, 80.072, 301.538



46, 4.573, 267.523



34, 68.528, 292.962



7, 24.756, 285.641

Previews

White Background



This preview shows how the CIELCh color 77, 50.750, 78.145 looks on a white background.

Color Contrast Check

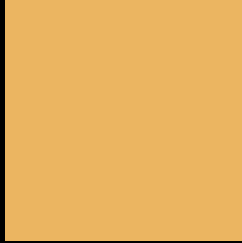
Large Text (above 18pt) WCAG AA × Fail

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, 50.750, 78.145 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, 50.750, 78.145

Background



This preview shows how black text looks on a background with the CIELCh color 77, 50.750, 78.145.



This preview shows how white text looks on a background with the CIELCh color 77, 50.750, 78.145.

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, 50.750, 78.145

Protanopia

77, 48.102, 95.919

Deuteranopia

77, 50.524, 78.571



Tritanopia
77, 28.093, 7.807

Trichromacy



Original Color
77, 50.750, 78.145

Protanomaly
77, 48.264, 89.078

Deuteranomaly
77, 50.524, 78.571

Tritanomaly
77, 29.302, 45.765

Monochromacy



Original Color
77, 50.750, 78.145

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 17.995, 82.254

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 50.750, 78.145 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(235, 181, 97)` looks like.

```
.text, #text, p{  
    color:rgb(235, 181, 97)  
}
```

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(235, 181, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 181, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 50.750, 78.145 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(235, 181, 97) }
```

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

```
.border{ border-color:rgb(235, 181, 97) }
```

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

Here you see how a box with a 4 pixel rgb(235, 181, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 181, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 181, 97);  
box-shadow:4px 4px 4px 4px rgb(235, 181,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 50.750, 78.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 181, 97) }
```

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

```
.background{ background-color: rgb(235,  
181, 97) }
```

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