

Converting Colors

CIELCh(77, 44.193, 70.686)

Have a look what the booklet for
CIELCh(77, 44.193, 70.686) contains.

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Color

CIELCh(77, 44.242, 70.311)

Conversions

Conversions Part 1

Format	Color
Hex	EFB271
RGB	239, 178, 113
RGB Percent	94%, 70%, 44%
CMY	0.0617, 0.3010, 0.5560
CMYK	0.00, 0.26, 0.53, 0.06
HSL	31°, 80%, 69%
HSV	31°, 53%, 94%
XYZ	54.6489, 51.5317, 22.7565
YIQ	188.8290, 57.2210, -7.2830

Conversions

Conversions Part 2

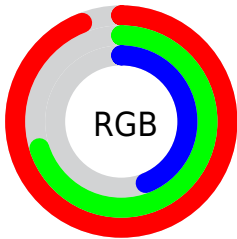
Format	Color
RYB	231, 239, 113
Decimal	15708785
CIELab	77.00, 14.91, 41.66
CIElCh	77, 44.242, 70.311
Yxy	51.5317, 0.4238, 0.3997
Android (android.graphics.Color)	4293898865 (0xFFEFB271)
YUV	188.8290, -37.3837, 44.0000
Hunter-Lab	71.7856, 10.2634, 31.4546

Details

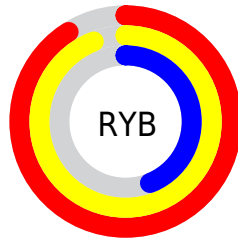
The CIELCh color **77, 44.242, 70.311** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **70, 38.536, 267.542**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.735, 93.876**, and **57, 44.237, 70.096** is the 20% darker color. If you saturate the color by 10%, you get **74, 53.537, 68.937**, and if you desaturate by 10%, it is **80, 35.115, 71.646**.

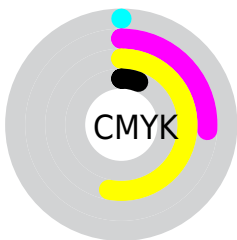
Distribution



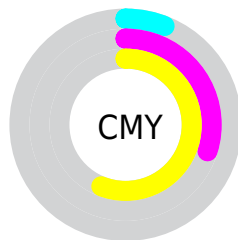
- Red (94%)
- Green (70%)
- Blue (44%)



- Red (91%)
- Yellow (94%)
- Blue (44%)



- Cyan (0%)
- Magenta (26%)
- Yellow (53%)
- Black (6%)



- Cyan (6%)
- Magenta (30%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 44.242, 70.311 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, 44.242, 70.311 by changing the saturation by 10% instead.

77, 44.242, 70.311

77, 44.242, 70.311

100, 44.242,
70.311

67, 44.242, 70.311

97, 44.242, 70.311

57, 44.242, 70.311

47, 44.242, 70.311

37, 44.242, 70.311

27, 44.242, 70.311

17, 44.242, 70.311

7, 44.242, 70.311

0, 44.242, 70.311

77, 44.242, 70.311

77, 44.242, 70.311

74, 53.537, 68.937

80, 35.115, 71.646

71, 62.683, 67.444

83, 26.299, 72.953

68, 71.048, 65.681

87, 17.844, 74.241

66, 77.591, 63.360

90, 9.754, 75.498

64, 80.971, 61.251

94, 2.009, 76.588

97, 4.679, 251.911

99, 5.411, 199.185

Harmonies

Complementary

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



77, 44.242, 70.311



70, 38.536, 267.542

Rectangle

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



77, 44.242, 70.311



77, 44.242, 120.311



77, 44.242, 250.311



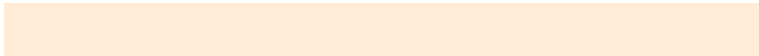
77, 44.242, 300.311

Sweetspot

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



77, 44.242, 70.315



94, 13.062, 75.079



64, 56.239, 349.495



49, 8.860, 74.819



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, 44.242, 70.315



78, 56.708, 68.861



92, 62.173, 105.185



48, 4.347, 75.887



50, 66.183, 61.933



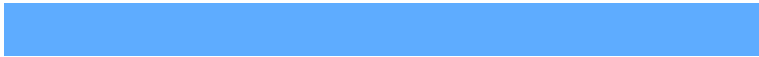
14, 23.426, 62.886

Inverse Universe

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



70, 38.536, 267.542



69, 48.202, 270.962



54, 72.292, 298.114



48, 4.261, 258.430



39, 58.214, 285.569



10, 21.984, 278.001

Previews

White Background



This preview shows how the CIELCh color 77, 44.242, 70.311 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 CIELCh color 77, 44.242, 70.311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

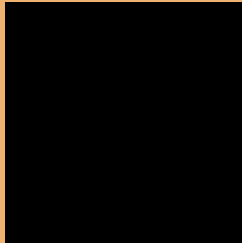
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 44.242, 70.311

Background



This preview shows how black text looks on a background with the CIELCh color 77, 44.242, 70.311.



This preview shows how white text looks on a background with the CIELCh color 77, 44.242, 70.311.

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, 44.242, 70.311

Protanopia

77, 38.753, 95.280

Deuteranopia

77, 43.201, 77.367



Tritanopia
77, 29.646, 8.739

Trichromacy



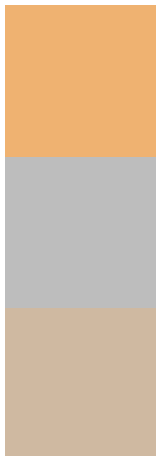
Original Color
77, 44.242, 70.311

Protanomaly
77, 39.836, 85.964

Deuteranomaly
77, 43.752, 75.166

Tritanomaly
77, 29.749, 37.061

Monochromacy



Original Color
77, 44.242, 70.311

Achromatopsia
77, 0.009, 296.813

Achromatomaly
76, 15.579, 74.929

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 44.242, 70.311 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(239, 178, 113)` looks like.

```
.text, #text, p{  
    color:rgb(239, 178, 113)  
}
```

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(239, 178, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 178, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 44.242, 70.311 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(239, 178, 113) }
```

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

```
.border{ border-color:rgb(239, 178, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 178, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 178, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 178, 113);  
box-shadow:4px 4px 4px 4px rgb(239, 178,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 44.242, 70.311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 178, 113) }
```

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

```
.background{ background-color: rgb(239,  
178, 113) }
```

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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