

Converting Colors

CIELCh(76, 63.082, 78.132)

Have a look what the booklet for
CIELCh(76, 63.082, 78.132) contains.

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Color

CIELCh(76, 63.127, 78.114)

Conversions

Conversions Part 1

Format	Color
Hex	EFB044
RGB	239, 176, 68
RGB Percent	94%, 69%, 27%
CMY	0.0622, 0.3093, 0.7329
CMYK	0.00, 0.26, 0.72, 0.06
HSL	38°, 84%, 60%
HSV	38°, 72%, 94%
XYZ	52.2349, 49.8872, 12.3632
YIQ	182.5250, 72.2160, -20.2320

Conversions

Conversions Part 2

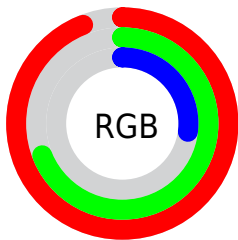
Format	Color
RYB	168, 239, 68
Decimal	15708228
CIELab	76.00, 13.00, 61.77
CIELCh	76, 63.127, 78.114
Yxy	49.8872, 0.4563, 0.4358
Android (android.graphics.Color)	4293898308 (0xFFEFB044)
YUV	182.5250, -56.4608, 49.5286
Hunter-Lab	70.6309, 8.4052, 39.0635

Details

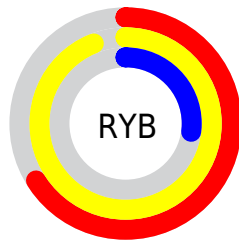
The CIELCh color **76, 63.127, 78.114** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **56, 62.253, 284.415**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 55.693, 95.383**, and **56, 63.281, 78.120** is the 20% darker color. If you saturate the color by 10%, you get **74, 70.576, 76.290**, and if you desaturate by 10%, it is **78, 54.554, 79.731**.

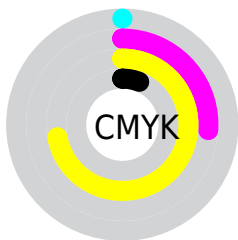
Distribution



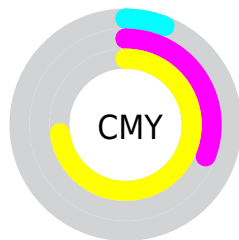
- Red (94%)
- Green (69%)
- Blue (27%)



- Red (66%)
- Yellow (94%)
- Blue (27%)



- Cyan (0%)
- Magenta (26%)
- Yellow (72%)
- Black (6%)



- Cyan (6%)
- Magenta (31%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 63.127, 78.114 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 76, 63.127, 78.114 by changing the saturation by 10% instead.

 76, 63.127, 78.114

 76, 63.127, 78.114

 100, 63.127,
78.114

 66, 63.127, 78.114

 96, 63.127, 78.114

 56, 63.127, 78.114

 46, 63.127, 78.114

 36, 63.127, 78.114

 26, 63.127, 78.114

 16, 63.127, 78.114

 6, 63.127, 78.114

 0, 63.127, 78.114

 76, 63.127, 78.114

 76, 63.127, 78.114

74, 70.576, 76.290

78, 54.554, 79.731

72, 75.968, 74.061

81, 45.506, 81.234

70, 78.646, 71.772

83, 36.352, 82.673

86, 27.283, 84.067

89, 18.391, 85.419

91, 9.711, 86.722

94, 1.252, 87.783

97, 4.969, 259.378

99, 5.458, 199.181

Harmonies

Complementary

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



76, 63.127, 78.114



56, 62.253, 284.415

Rectangle

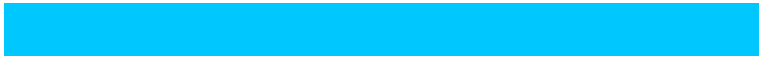
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 63.127, 78.114



76, 63.127, 128.114



76, 63.127, 258.114



76, 63.127, 308.114

Sweetspot

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



76, 63.126, 78.117



94, 18.900, 85.478



56, 69.134, 1.980



49, 12.838, 85.108



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 63.126, 78.117



77, 77.137, 75.289



90, 80.200, 109.754



49, 4.788, 86.978



55, 64.487, 72.350



16, 24.142, 74.973

Inverse Universe

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



56, 62.253, 284.415



52, 80.025, 289.950



42, 99.875, 303.993



47, 4.768, 269.517



33, 72.108, 294.499



7, 26.780, 287.905

Previews

White Background



This preview shows how the CIELCh color 76, 63.127, 78.114 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 76, 63.127, 78.114 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 76, 63.127, 78.114

Background



This preview shows how black text looks on a background with the CIELCh color 76, 63.127, 78.114.



This preview shows how white text looks on a background with the CIELCh color 76, 63.127, 78.114.

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

76, 63.127, 78.114

Protanopia

76, 59.986, 95.641

Deuteranopia

76, 62.733, 81.026



Tritanopia
76, 32.495, 10.264

Trichromacy



Original Color
76, 63.127, 78.114

Protanomaly
76, 60.411, 89.220

Deuteranomaly
76, 62.995, 79.796

Tritanomaly
76, 36.200, 48.470

Monochromacy



Original Color
76, 63.127, 78.114

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 23.066, 84.022

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 63.127, 78.114 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, 176, 68)` looks like.

```
.text, #text, p{  
    color:rgb(239, 176, 68)  
}
```

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, 176, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 176, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 63.127, 78.114 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, 176, 68) }
```

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

```
.border{ border-color:rgb(239, 176, 68) }
```

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

Here you see how a box with a 4 pixel rgb(239, 176, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 176, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 176, 68);  
box-shadow:4px 4px 4px 4px rgb(239, 176,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 63.127, 78.114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 176, 68) }
```

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

```
.background{ background-color: rgb(239,  
176, 68) }
```

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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