

Converting Colors

CIELCh(77, 66.344, 98.345)

Have a look what the booklet for
CIELCh(77, 66.344, 98.345) contains.

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Color

CIELCh(77, 66.522, 98.647)

Conversions

Conversions Part 1

Format	Color
Hex	CFC13A
RGB	207, 193, 58
RGB Percent	81%, 76%, 23%
CMY	0.1895, 0.2443, 0.7738
CMYK	0.00, 0.07, 0.72, 0.19
HSL	54°, 61%, 52%
HSV	54°, 72%, 81%
XYZ	45.4040, 51.5317, 11.5147
YIQ	181.7960, 51.6790, -39.0170

Conversions

Conversions Part 2

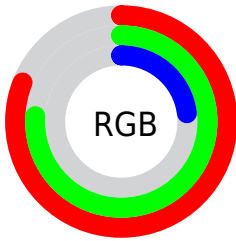
Format	Color
RYB	73, 207, 58
Decimal	13615418
CIELab	77.00, -10.00, 65.77
CIELCh	77, 66.522, 98.647
Yxy	51.5317, 0.4187, 0.4752
Android (android.graphics.Color)	4291805498 (0xFFCFC13A)
YUV	181.7960, -61.0314, 22.1039
Hunter-Lab	71.7856, -12.7245, 40.7396

Details

The CIELCh color **77, 66.522, 98.647** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **38, 81.561, 299.223**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 65.927, 102.906**, and **57, 62.175, 98.936** is the 20% darker color. If you saturate the color by 10%, you get **76, 72.334, 97.779**, and if you desaturate by 10%, it is **78, 59.054, 99.597**.

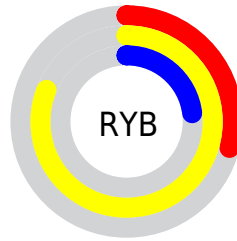
Distribution



Red (81%)

Green (76%)

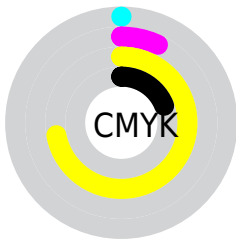
Blue (23%)



Red (29%)

Yellow (81%)

Blue (23%)

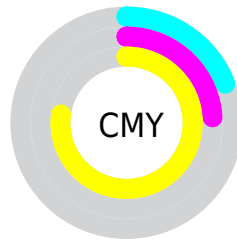


Cyan (0%)

Magenta (7%)

Yellow (72%)

Black (19%)



Cyan (19%)

Magenta (24%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 66.522, 98.647 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, 66.522, 98.647 by changing the saturation by 10% instead.

 77, 66.522, 98.647

 77, 66.522, 98.647

 100, 66.522,
98.647

 67, 66.522, 98.647

 97, 66.522, 98.647

 57, 66.522, 98.647

 47, 66.522, 98.647

 37, 66.522, 98.647

 27, 66.522, 98.647

 17, 66.522, 98.647

 7, 66.522, 98.647

 0, 66.522, 98.647

 77, 66.522, 98.647

 77, 66.522, 98.647

■ 76, 72.334, 97.779

■ 78, 59.054, 99.597

■ 76, 75.938, 96.990

■ 78, 50.493,
100.605

■ 75, 77.369, 96.407

■ 79, 41.267,
101.652

■ 80, 31.662,
102.719

■ 81, 21.860,
103.788

■ 82, 11.969,
104.844

■ 83, 2.058, 105.840

■ 84, 7.834, 286.915

■ 85, 17.681,
287.880

Harmonies

Complementary

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



77, 66.522, 98.647



38, 81.561, 299.223

Rectangle

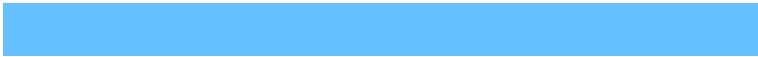
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77, 66.522, 98.647



77, 66.522, 148.647



77, 66.522, 278.647



77, 66.522, 328.647

Sweetspot

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



77, 66.522, 98.650



97, 25.820, 103.768



48, 64.402, 24.285



52, 17.339, 103.476



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, 66.522, 98.650



92, 87.610, 97.298



77, 75.967, 122.594



44, 5.670, 105.122



62, 66.462, 96.508



14, 21.254, 99.485

Inverse Universe

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



38, 81.561, 299.223



38, 117.069, 303.098



40, 87.679, 309.897



41, 5.772, 287.150



21, 93.446, 304.956



2, 23.890, 290.948

Previews

White Background



This preview shows how the CIELCh color 77, 66.522, 98.647 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, 66.522, 98.647 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, 66.522, 98.647

Background



This preview shows how black text looks on a background with the CIELCh color 77, 66.522, 98.647.



This preview shows how white text looks on a background with the CIELCh color 77, 66.522, 98.647.

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, 66.522, 98.647

Protanopia

77, 66.320, 95.136

Deuteranopia

77, 65.918, 81.559



Tritanopia
77, 16.072, 353.069

Trichromacy



Original Color
77, 66.522, 98.647

Protanomaly
77, 66.474, 96.313

Deuteranomaly
77, 65.517, 87.549

Tritanomaly
77, 25.057, 79.801

Monochromacy



Original Color
77, 66.522, 98.647

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 26.258, 103.187

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 66.522, 98.647 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(207, 193, 58)` looks like.

```
.text, #text, p{  
    color:rgb(207, 193, 58)  
}
```

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(207, 193, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 193, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 66.522, 98.647 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(207, 193, 58) }
```

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

```
.border{ border-color:rgb(207, 193, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 193, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 193, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 193, 58);  
box-shadow:4px 4px 4px 4px rgb(207, 193,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 66.522, 98.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 193, 58) }
```

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

```
.background{ background-color: rgb(207,  
193, 58) }
```

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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