

Converting Colors

CIELCh(97, 72.606, 104.623)

Have a look what the booklet for
CIELCh(97, 72.606, 104.623)
contains.

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Color

CIELCh(97, 72.475, 104.606)

Conversions

Conversions Part 1

Format	Color
Hex	DFD66
RGB	253, 253, 102
RGB Percent	99%, 99%, 40%
CMY	0.0062, 0.0062, 0.5984
CMYK	0.00, 0.00, 0.60, 0.01
HSL	60°, 98%, 70%
HSV	60°, 60%, 99%
XYZ	78.3378, 92.4403, 26.3885
YIQ	235.7860, 48.4710, -46.9610

Conversions

Conversions Part 2

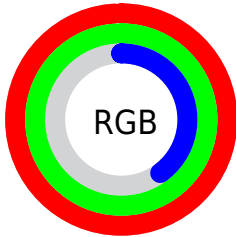
Format	Color
RYB	102, 253, 102
Decimal	16645478
CIELab	97.00, -18.28, 70.13
CIELCh	97, 72.475, 104.606
Yxy	92.4403, 0.3973, 0.4688
Android (android.graphics.Color)	4294835558 (0xFFFD66)
YUV	235.7860, -65.9565, 15.0967
Hunter-Lab	96.1459, -22.8169, 51.0292

Details

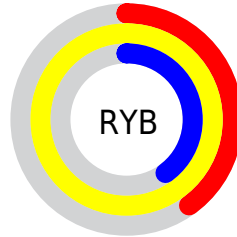
The CIELCh color **97, 72.475, 104.606** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **51, 86.787, 299.660**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 48.317, 106.483**, and **77, 72.505, 104.871** is the 20% darker color. If you saturate the color by 10%, you get **97, 81.887, 103.905**, and if you desaturate by 10%, it is **97, 61.664, 105.431**.

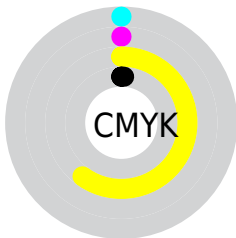
Distribution



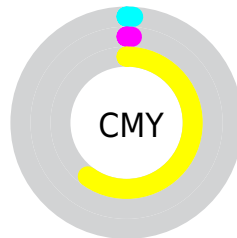
- Red (99%)
- Green (99%)
- Blue (40%)



- Red (40%)
- Yellow (99%)
- Blue (40%)



- Cyan (0%)
- Magenta (0%)
- Yellow (60%)
- Black (1%)



- Cyan (1%)
- Magenta (1%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 72.475, 104.606 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 97, 72.475, 104.606 by changing the saturation by 10% instead.

 97, 72.475,
104.606

 97, 72.475,
104.606

 100, 72.475,
104.606

 87, 72.475,
104.606

 77, 72.475,
104.606

 67, 72.475,
104.606

 57, 72.475,
104.606

 47, 72.475,
104.606

 37, 72.475,
104.606

 27, 72.475,

104.606

■ 17, 72.475,
104.606

■ 7, 72.475, 104.606

■ 97, 72.475,
104.606

■ 97, 72.475,
104.606

■ 97, 81.887,
103.905

■ 97, 61.664,
105.431

■ 97, 89.285,
103.362

■ 98, 49.949,
106.335

■ 97, 94.112,
103.014

■ 98, 37.680,
107.287

■ 97, 96.380,
102.851

■ 98, 25.087,
108.262

97, 96.451,
102.846

99, 12.317,
109.238

99, 0.536, 290.357

99, 0.808, 290.275

99, 0.807, 290.219

99, 0.806, 290.164

Harmonies

Complementary

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



97, 72.475, 104.606



51, 86.787, 299.660

Rectangle

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



97, 72.475, 104.606



97, 72.475, 154.606



97, 72.475, 284.606



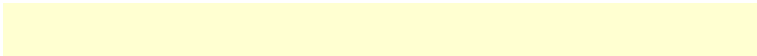
97, 72.475, 334.606

Sweetspot

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



97, 72.476, 104.608



99, 23.178, 108.417



63, 64.471, 26.412



53, 16.087, 108.132



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



97, 72.476, 104.608



97, 84.289, 103.756



92, 78.382, 125.834



53, 7.337, 109.247



75, 78.050, 102.846



26, 35.522, 102.989

Inverse Universe

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



51, 86.787, 299.660



43, 106.713, 302.430



58, 86.211, 311.612



49, 7.503, 291.170



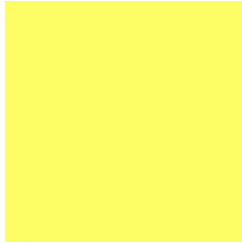
23, 107.777, 306.286



3, 44.124, 301.757

Previews

White Background



This preview shows how the CIELCh color 97, 72.475, 104.606 looks on a white background.

Color Contrast Check

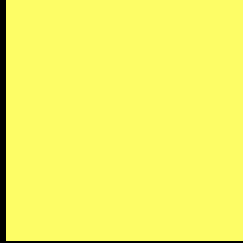
Large Text (above 18pt) WCAG AA × Fail

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 97, 72.475, 104.606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

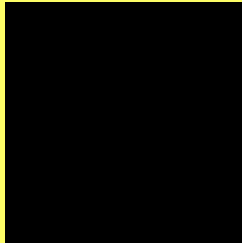
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 97, 72.475, 104.606

Background



This preview shows how black text looks on a background with the CIELCh color 97, 72.475, 104.606.

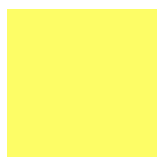


This preview shows how white text looks on a background with the CIELCh color 97, 72.475, 104.606.

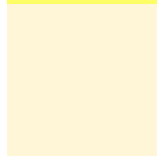
Color Blindness Simulation

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](#).

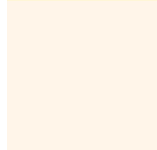
Dichromacy



Original Color
97, 72.475, 104.606



Protanopia
97, 16.117, 96.999

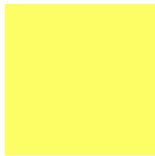


Deuteranopia
97, 7.081, 79.029

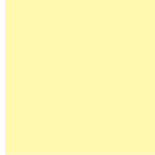


Tritanopia
97, 5.567, 339.698

Trichromacy



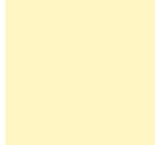
Original Color
97, 72.475, 104.606



Protanomaly
97, 37.846, 104.290

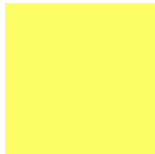


Deuteranomaly
97, 31.453, 103.531

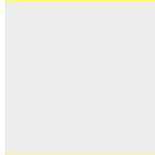


Tritanomaly
97, 26.010, 102.293

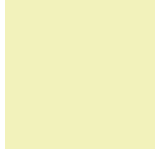
Monochromacy



Original Color
97, 72.475, 104.606



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 27.996, 107.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 72.475, 104.606 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(253, 253, 102)` looks like.

```
.text, #text, p{  
    color:rgb(253, 253, 102)  
}
```

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(253, 253, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 253, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 72.475, 104.606 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(253, 253, 102) }
```

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

```
.border{ border-color:rgb(253, 253, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 253, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 253, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 253, 102);  
box-shadow:4px 4px 4px 4px rgb(253, 253,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 72.475, 104.606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 253, 102) }
```

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

```
.background{ background-color: rgb(253,  
253, 102) }
```

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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