

Converting Colors

CIELCh(98, 82.729, 77.950)

Have a look what the booklet for
CIELCh(98, 82.729, 77.950) contains.

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Color

CIELCh(92, 73.583, 97.302)

Conversions

Conversions Part 1

Format	Color
Hex	FFEA52
RGB	255, 234, 82
RGB Percent	100%, 92%, 32%
CMY	0.0001, 0.0824, 0.6785
CMYK	0.00, 0.08, 0.68, 0.00
HSL	53°, 100%, 66%
HSV	53°, 68%, 100%
XYZ	72.1762, 80.7044, 19.7536
YIQ	222.9510, 61.3080, -42.8200

Conversions

Conversions Part 2

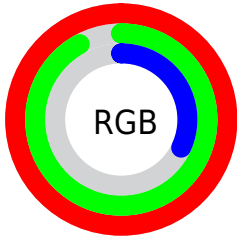
Format	Color
RYB	106, 255, 82
Decimal	16771666
CIELab	92.00, -9.35, 72.99
CIELCh	92, 73.583, 97.302
Yxy	80.7044, 0.4181, 0.4675
Android (android.graphics.Color)	4294961746 (0xFFFEA52)
YUV	222.9510, -69.4888, 28.1070
Hunter-Lab	89.8356, -13.8010, 49.8479

Details

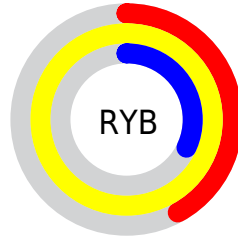
The CIELCh color **92, 73.583, 97.302** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **50, 87.668, 297.260**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 57.233, 105.797**, and **72, 73.654, 97.322** is the 20% darker color. If you saturate the color by 10%, you get **91, 81.190, 96.291**, and if you desaturate by 10%, it is **93, 64.292, 98.366**.

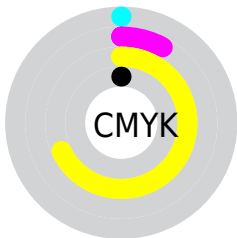
Distribution



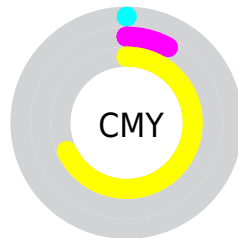
- Red (100%)
- Green (92%)
- Blue (32%)



- Red (42%)
- Yellow (100%)
- Blue (32%)



- Cyan (0%)
- Magenta (8%)
- Yellow (68%)
- Black (0%)



- Cyan (0%)
- Magenta (8%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 92, 73.583, 97.302 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 92, 73.583, 97.302 by changing the saturation by 10% instead.

92, 73.583, 97.302

92, 73.583, 97.302

100, 73.583,
97.302

82, 73.583, 97.302

72, 73.583, 97.302

62, 73.583, 97.302

52, 73.583, 97.302

42, 73.583, 97.302

32, 73.583, 97.302

22, 73.583, 97.302

12, 73.583, 97.302

2, 73.583, 97.302

■ 92, 73.583, 97.302

■ 92, 73.583, 97.302

■ 91, 81.190, 96.291

■ 93, 64.292, 98.366

■ 90, 86.372, 95.323

■ 94, 53.956, 99.462

■ 89, 88.688, 94.378

■ 95, 43.021,
100.579

■ 89, 88.984, 94.176

■ 96, 31.772,
101.699

■ 98, 20.379,
102.810

■ 99, 8.946, 103.895

100, 0.012,
270.786

Harmonies

Complementary

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



92, 73.583, 97.302



50, 87.668, 297.260

Rectangle

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



92, 73.583, 97.302



92, 73.583, 147.302



92, 73.583, 277.302



92, 73.583, 327.302

Sweetspot

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



92, 73.583, 97.305



97, 22.843, 102.572



60, 71.050, 20.568



52, 15.582, 102.261



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



92, 73.583, 97.305



91, 83.125, 95.981



93, 85.031, 121.245



53, 6.487, 103.718



69, 71.767, 94.340



23, 32.310, 95.636

Inverse Universe

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



50, 87.668, 297.260



42, 106.176, 300.789



51, 98.376, 308.890



49, 6.596, 285.841



25, 101.410, 304.585



5, 40.267, 299.517

Previews

White Background



This preview shows how the CIELCh color 92, 73.583, 97.302 looks on a white background.

Color Contrast Check

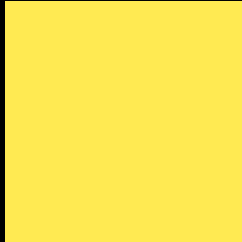
Large Text (above 18pt) WCAG AA × Fail

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 92, 73.583, 97.302 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 92, 73.583, 97.302

Background



This preview shows how black text looks on a background with the CIELCh color 92, 73.583, 97.302.



This preview shows how white text looks on a background with the CIELCh color 92, 73.583, 97.302.

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

92, 73.583, 97.302

Protanopia

92, 55.120, 95.791

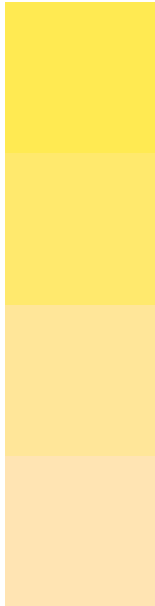
Deuteranopia

92, 20.412, 78.243



Tritanopia
92, 12.318, 355.552

Trichromacy



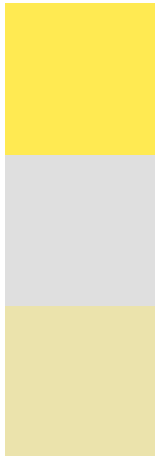
Original Color
92, 73.583, 97.302

Protanomaly
92, 62.215, 96.657

Deuteranomaly
92, 40.652, 92.580

Tritanomaly
92, 27.418, 85.420

Monochromacy



Original Color
92, 73.583, 97.302

Achromatopsia
89, 0.011, 296.813

Achromatomaly
90, 28.481, 101.525

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 73.583, 97.302 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(255, 234, 82)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 82)  
}
```

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(255, 234, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 73.583, 97.302 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(255, 234, 82) }
```

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

```
.border{ border-color:rgb(255, 234, 82) }
```

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

Here you see how a box with a 4 pixel rgb(255, 234, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 73.583, 97.302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 82) }
```

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

```
.background{ background-color: rgb(255,  
234, 82) }
```

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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