

Converting Colors

CIELCh(80, 53.720, 82.246)

Have a look what the booklet for
CIELCh(80, 53.720, 82.246) contains.

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Color

CIELCh(80, 53.720, 82.246)

Conversions

Conversions Part 1

Format	Color
Hex	F0BF61
RGB	240, 191, 97
RGB Percent	94%, 75%, 38%
CMY	0.0586, 0.2508, 0.6194
CMYK	0.00, 0.20, 0.60, 0.06
HSL	39°, 83%, 66%
HSV	39°, 60%, 94%
XYZ	56.7547, 56.6813, 19.2697
YIQ	194.9350, 59.3780, -18.8460

Conversions

Conversions Part 2

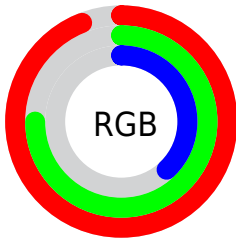
Format	Color
RYB	172, 240, 97
Decimal	15777633
CIELab	80.00, 7.25, 53.23
CIELCh	80, 53.720, 82.246
Yxy	56.6813, 0.4277, 0.4271
Android (android.graphics.Color)	4293967713 (0xFFFF0BF61)
YUV	194.9350, -48.2820, 39.5220
Hunter-Lab	75.2870, 2.8090, 37.5256

Details

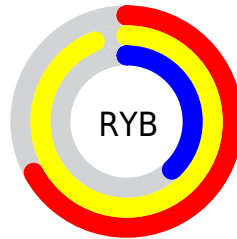
The CIELCh color **80, 53.720, 82.246** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **61, 53.497, 282.418**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 48.664, 102.603**, and **60, 53.807, 82.227** is the 20% darker color. If you saturate the color by 10%, you get **78, 62.375, 80.680**, and if you desaturate by 10%, it is **82, 44.597, 83.727**.

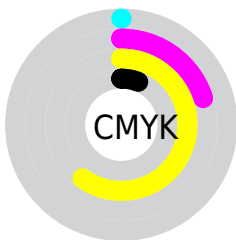
Distribution



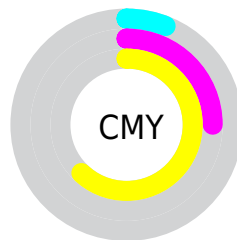
- Red (94%)
- Green (75%)
- Blue (38%)



- Red (67%)
- Yellow (94%)
- Blue (38%)



- Cyan (0%)
- Magenta (20%)
- Yellow (60%)
- Black (6%)



- Cyan (6%)
- Magenta (25%)
- Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 53.720, 82.246 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 80, 53.720, 82.246 by changing the saturation by 10% instead.

 80, 53.720, 82.246

 80, 53.720, 82.246

 100, 53.720,
82.246

 70, 53.720, 82.246

 60, 53.720, 82.246

 50, 53.720, 82.246

 40, 53.720, 82.246

 30, 53.720, 82.246

 20, 53.720, 82.246

 10, 53.720, 82.246

 0, 53.720, 82.246

 80, 53.720, 82.246

 80, 53.720, 82.246

78, 62.375, 80.680

82, 44.597, 83.727

76, 69.961, 78.939

85, 35.353, 85.148

74, 75.592, 76.874

87, 26.167, 86.525

72, 78.690, 74.341

90, 17.130, 87.860

72, 78.808, 74.231

92, 8.279, 89.140

95, 0.376, 271.183

97, 4.358, 247.816

99, 5.144, 199.208

Harmonies

Complementary

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



80, 53.720, 82.246



61, 53.497, 282.418

Rectangle

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



80, 53.720, 82.246



80, 53.720, 132.246



80, 53.720, 262.246



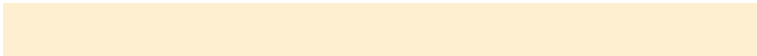
80, 53.720, 312.246

Sweetspot

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



80, 53.720, 82.250



95, 16.516, 88.058



61, 59.445, 1.237



50, 11.515, 87.675



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 53.720, 82.250



82, 66.710, 80.406



91, 69.970, 111.856



49, 4.908, 89.152



56, 64.464, 74.780



16, 24.449, 77.550

Inverse Universe

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



61, 53.497, 282.418



58, 67.772, 286.220



50, 82.641, 302.822



47, 4.902, 271.660



32, 75.262, 296.056



7, 27.817, 289.456

Previews

White Background



This preview shows how the CIELCh color 80, 53.720, 82.246 looks on a white background.

Color Contrast Check

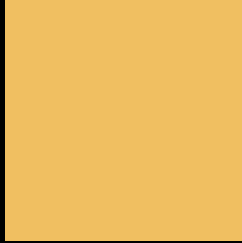
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 80, 53.720, 82.246 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 80, 53.720, 82.246

Background



This preview shows how black text looks on a background with the CIELCh color 80, 53.720, 82.246.



This preview shows how white text looks on a background with the CIELCh color 80, 53.720, 82.246.

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


80, 53.720, 82.246

Protanopia

80, 51.707, 95.965

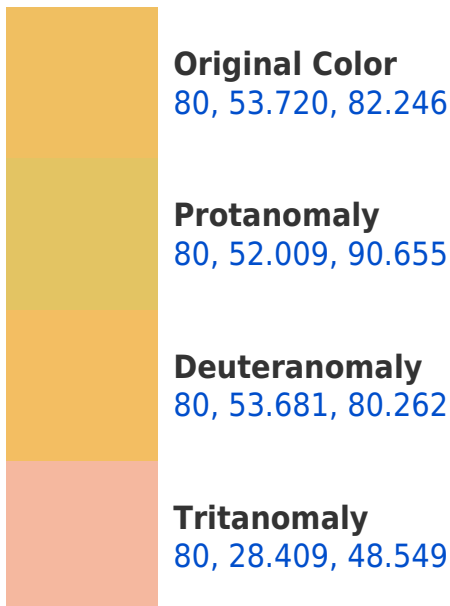
Deuteranopia

80, 53.930, 78.851



Tritanopia
80, 26.798, 5.819

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 53.720, 82.246 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(240, 191, 97)` looks like.

```
.text, #text, p{  
    color:rgb(240, 191, 97)  
}
```

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(240, 191, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 191, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 53.720, 82.246 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(240, 191, 97) }
```

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

```
.border{ border-color:rgb(240, 191, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 191, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 191, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 191, 97);  
box-shadow:4px 4px 4px 4px rgb(240, 191,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 53.720, 82.246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 191, 97) }
```

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

```
.background{ background-color: rgb(240,  
191, 97) }
```

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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