

Converting Colors

CIELCh(80, 53.854, 72.582)

Have a look what the booklet for
CIELCh(80, 53.854, 72.582) contains.

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Color

CIELCh(80, 53.579, 72.539)

Conversions

Conversions Part 1

Format	Color
Hex	FDB966
RGB	253, 185, 102
RGB Percent	99%, 73%, 40%
CMY	0.0069, 0.2736, 0.5992
CMYK	0.00, 0.27, 0.60, 0.01
HSL	33°, 98%, 70%
HSV	33°, 60%, 99%
XYZ	60.4003, 56.6813, 20.3812
YIQ	195.8700, 67.1710, -11.3970

Conversions

Conversions Part 2

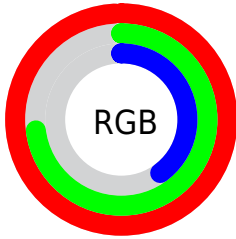
Format	Color
RYB	226, 253, 102
Decimal	16628070
CIELab	80.00, 16.08, 51.11
CIELCh	80, 53.579, 72.539
Yxy	56.6813, 0.4394, 0.4123
Android (android.graphics.Color)	4294818150 (0xFFFD96)
YUV	195.8700, -46.2779, 50.1030
Hunter-Lab	75.2870, 11.4526, 36.6503

Details

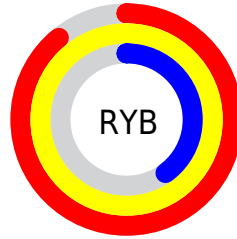
The CIELCh color **80, 53.579, 72.539** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **69, 47.746, 273.264**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 43.793, 99.375**, and **60, 53.624, 72.449** is the 20% darker color. If you saturate the color by 10%, you get **77, 63.053, 71.006**, and if you desaturate by 10%, it is **83, 43.960, 73.980**.

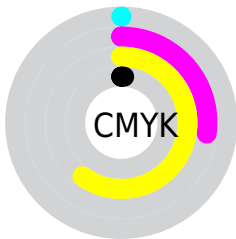
Distribution



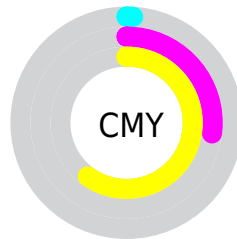
- Red (99%)
- Green (73%)
- Blue (40%)



- Red (89%)
- Yellow (99%)
- Blue (40%)



- Cyan (0%)
- Magenta (27%)
- Yellow (60%)
- Black (1%)



- Cyan (1%)
- Magenta (27%)
- Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 53.579, 72.539 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, 53.579, 72.539 by changing the saturation by 10% instead.

 80, 53.579, 72.539

 80, 53.579, 72.539

 100, 53.579,
72.539

 70, 53.579, 72.539

 60, 53.579, 72.539

 50, 53.579, 72.539

 40, 53.579, 72.539

 30, 53.579, 72.539

 20, 53.579, 72.539

 10, 53.579, 72.539

 0, 53.579, 72.539

 80, 53.579, 72.539

 80, 53.579, 72.539

77, 63.053, 71.006

83, 43.960, 73.980

74, 71.805, 69.251

86, 34.490, 75.367

72, 78.860, 67.047

89, 25.300, 76.723

69, 83.389, 64.168

93, 16.438, 78.048

69, 83.540, 64.065

96, 7.911, 79.326

100, 0.299,
261.955

100, 0.610,
200.453

Harmonies

Complementary

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



80, 53.579, 72.539



69, 47.746, 273.264

Rectangle

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



80, 53.579, 72.539



80, 53.579, 122.539



80, 53.579, 252.539



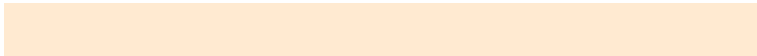
80, 53.579, 302.539

Sweetspot

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



80, 53.579, 72.543



94, 15.101, 78.261



65, 64.546, 352.949



49, 10.554, 77.881



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, 53.579, 72.543



77, 65.578, 70.613



97, 72.513, 106.242



51, 4.690, 79.342



53, 67.480, 64.739



17, 27.087, 66.818

Inverse Universe

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



69, 47.746, 273.264



63, 57.908, 277.698



52, 86.725, 300.332



50, 4.620, 261.929



39, 64.281, 288.675



11, 25.951, 282.528

Previews

White Background



This preview shows how the CIELCh color 80, 53.579, 72.539 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 80, 53.579, 72.539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

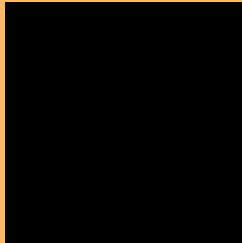
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 53.579, 72.539

Background



This preview shows how black text looks on a background with the CIELCh color 80, 53.579, 72.539.



This preview shows how white text looks on a background with the CIELCh color 80, 53.579, 72.539.

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, 53.579, 72.539

Protanopia

80, 48.409, 95.680

Deuteranopia

80, 52.383, 78.741



Tritanopia
80, 30.110, 10.020

Trichromacy



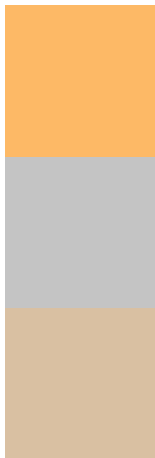
Original Color
80, 53.579, 72.539

Protanomaly
80, 49.215, 87.012

Deuteranomaly
80, 52.901, 76.908

Tritanomaly
80, 32.525, 43.241

Monochromacy



Original Color
80, 53.579, 72.539

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 18.866, 76.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 53.579, 72.539 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, 185, 102)` looks like.

```
.text, #text, p{  
    color:rgb(253, 185, 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, 185, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 185, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 53.579, 72.539 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, 185, 102) }
```

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

```
.border{ border-color:rgb(253, 185, 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, 185, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 185, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 185, 102);  
box-shadow:4px 4px 4px 4px rgb(253, 185,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 53.579, 72.539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 185, 102) }
```

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

```
.background{ background-color: rgb(253,  
185, 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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