

Converting Colors

CIELCh(76, 53.460, 72.389)

Have a look what the booklet for
CIELCh(76, 53.460, 72.389) contains.

CIELCh(76, 53.484, 72.307)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(76, 53.484, 72.307)

Conversions

Conversions Part 1

Format	Color
Hex	F1AE5C
RGB	241, 174, 92
RGB Percent	95%, 68%, 36%
CMY	0.0539, 0.3167, 0.6383
CMYK	0.00, 0.28, 0.62, 0.05
HSL	33°, 84%, 65%
HSV	33°, 62%, 95%
XYZ	53.4894, 49.8872, 16.9868
YIQ	184.6850, 66.2540, -11.2980

Conversions

Conversions Part 2

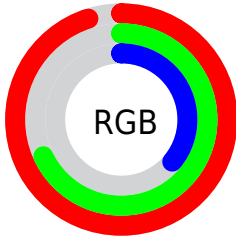
Format	Color
RYB	214, 241, 92
Decimal	15838812
CIELab	76.00, 16.25, 50.95
CIElCh	76, 53.484, 72.307
Yxy	49.8872, 0.4444, 0.4145
Android (android.graphics.Color)	4294028892 (0xFFFF1AE5C)
YUV	184.6850, -45.6937, 49.3883
Hunter-Lab	70.6309, 11.5755, 35.1823

Details

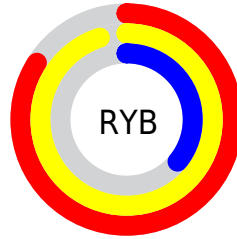
The CIELCh color **76, 53.484, 72.307** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **65, 47.579, 273.987**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 44.169, 92.782**, and **56, 53.457, 72.593** is the 20% darker color. If you saturate the color by 10%, you get **73, 62.508, 70.746**, and if you desaturate by 10%, it is **79, 44.236, 73.759**.

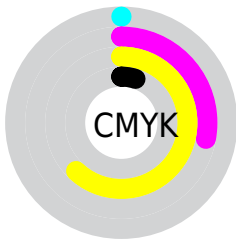
Distribution



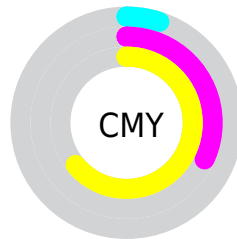
- Red (95%)
- Green (68%)
- Blue (36%)



- Red (84%)
- Yellow (95%)
- Blue (36%)



- Cyan (0%)
- Magenta (28%)
- Yellow (62%)
- Black (5%)



- Cyan (5%)
- Magenta (32%)
- Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 53.484, 72.307 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 76, 53.484, 72.307 by changing the saturation by 10% instead.

 76, 53.484, 72.307

 76, 53.484, 72.307

 100, 53.484,
72.307

 66, 53.484, 72.307

 96, 53.484, 72.307

 56, 53.484, 72.307

 46, 53.484, 72.307

 36, 53.484, 72.307

 26, 53.484, 72.307

 16, 53.484, 72.307

 6, 53.484, 72.307

 0, 53.484, 72.307

 76, 53.484, 72.307

 76, 53.484, 72.307

73, 62.508, 70.746

79, 44.236, 73.759

71, 70.686, 68.930

82, 35.088, 75.152

68, 77.020, 66.609

85, 26.190, 76.511

66, 80.483, 64.227

88, 17.601, 77.840

91, 9.332, 79.128

95, 1.372, 80.166

98, 3.904, 238.427

99, 4.733, 199.245

Harmonies

Complementary

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



76, 53.484, 72.307



65, 47.579, 273.987

Rectangle

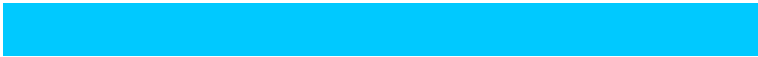
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 53.484, 72.307



76, 53.484, 122.307



76, 53.484, 252.307



76, 53.484, 302.307

Sweetspot

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



76, 53.483, 72.311



94, 15.979, 78.195



61, 63.480, 354.507



49, 11.059, 77.820



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 53.483, 72.311



76, 67.385, 70.332



92, 71.851, 106.924



49, 4.460, 79.414



51, 65.423, 64.909



14, 23.523, 66.529

Inverse Universe

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



65, 47.579, 273.987



62, 59.587, 278.538



48, 86.563, 301.061



47, 4.394, 261.986



37, 62.248, 288.599



9, 23.357, 281.358

Previews

White Background



This preview shows how the CIELCh color 76, 53.484, 72.307 looks on a white background.

Color Contrast Check

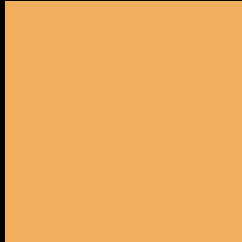
Large Text (above 18pt) WCAG AA × Fail

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 76, 53.484, 72.307 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 76, 53.484, 72.307

Background



This preview shows how black text looks on a background with the CIELCh color 76, 53.484, 72.307.



This preview shows how white text looks on a background with the CIELCh color 76, 53.484, 72.307.

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

76, 53.484, 72.307

Protanopia

76, 48.196, 95.834

Deuteranopia

76, 52.180, 79.628



Tritanopia
76, 32.848, 11.373

Trichromacy



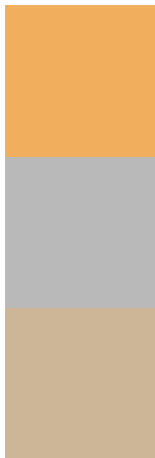
Original Color
76, 53.484, 72.307

Protanomaly
76, 49.006, 87.003

Deuteranomaly
76, 52.759, 76.722

Tritanomaly
76, 34.835, 41.357

Monochromacy



Original Color
76, 53.484, 72.307

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 18.880, 77.787

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 53.484, 72.307 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(241, 174, 92)` looks like.

```
.text, #text, p{  
    color:rgb(241, 174, 92)  
}
```

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(241, 174, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 174, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 53.484, 72.307 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(241, 174, 92) }
```

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

```
.border{ border-color:rgb(241, 174, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 174, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 174, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 174, 92);  
box-shadow:4px 4px 4px 4px rgb(241, 174,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 53.484, 72.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 174, 92) }
```

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

```
.background{ background-color: rgb(241,  
174, 92) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor