

Converting Colors

CIELCh(76, 37.285, 63.230)

Have a look what the booklet for
CIELCh(76, 37.285, 63.230) contains.

CIELCh(76, 37.166, 63.529)	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, 37.166, 63.529)

Conversions

Conversions Part 1

Format	Color
Hex	ECAF7F
RGB	236, 175, 127
RGB Percent	93%, 69%, 50%
CMY	0.0755, 0.3146, 0.5028
CMYK	0.00, 0.26, 0.46, 0.08
HSL	26°, 74%, 71%
HSV	26°, 46%, 92%
XYZ	53.6107, 49.8872, 26.8074
YIQ	187.7670, 51.7640, -1.9960

Conversions

Conversions Part 2

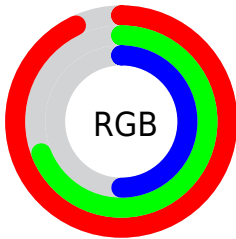
Format	Color
R _Y B	236, 213, 127
Decimal	15511423
CIE Lab	76.00, 16.57, 33.27
CIE LCh	76, 37.166, 63.529
Yxy	49.8872, 0.4114, 0.3828
Android (android.graphics.Color)	4293701503 (0xFFECA7F)
YUV	187.7670, -29.9581, 42.3003
Hunter-Lab	70.6309, 11.8821, 26.9386

Details

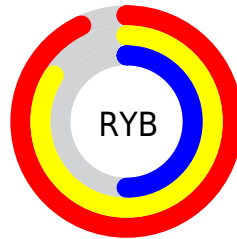
The CIELCh color **76, 37.166, 63.529** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **74, 30.788, 256.880**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 27.862, 88.377**, and **56, 37.280, 63.011** is the 20% darker color. If you saturate the color by 10%, you get **73, 46.467, 62.454**, and if you desaturate by 10%, it is **80, 28.290, 64.625**.

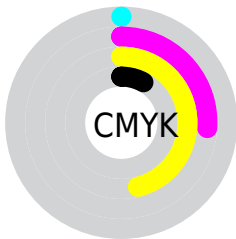
Distribution



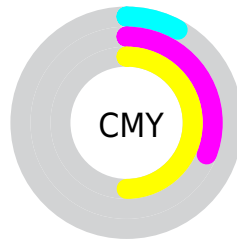
- Red (93%)
- Green (69%)
- Blue (50%)



- Red (93%)
- Yellow (84%)
- Blue (50%)



- Cyan (0%)
- Magenta (26%)
- Yellow (46%)
- Black (8%)



- Cyan (8%)
- Magenta (31%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 37.166, 63.529 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, 37.166, 63.529 by changing the saturation by 10% instead.

76, 37.166, 63.529

76, 37.166, 63.529

100, 37.166,
63.529

66, 37.166, 63.529

96, 37.166, 63.529

56, 37.166, 63.529

46, 37.166, 63.529

36, 37.166, 63.529

26, 37.166, 63.529

16, 37.166, 63.529

6, 37.166, 63.529

0, 37.166, 63.529

76, 37.166, 63.529

76, 37.166, 63.529

73, 46.467, 62.454

80, 28.290, 64.625

69, 56.045, 61.351

83, 19.887, 65.731

66, 65.539, 60.130

87, 11.952, 66.842

63, 74.205, 58.571

91, 4.454, 67.905

61, 80.825, 56.275

95, 2.646, 249.308

60, 82.933, 55.328

98, 6.244, 204.165

99, 6.599, 199.088

Harmonies

Complementary

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



76, 37.166, 63.529



74, 30.788, 256.880

Rectangle

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



76, 37.166, 63.529



76, 37.166, 113.529



76, 37.166, 243.529



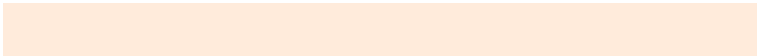
76, 37.166, 293.529

Sweetspot

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



76, 37.165, 63.534



94, 10.925, 67.080



67, 51.126, 344.632



49, 7.589, 66.841



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, 37.165, 63.534



78, 48.319, 62.561



89, 51.425, 102.587



47, 4.089, 67.576



46, 67.725, 56.015



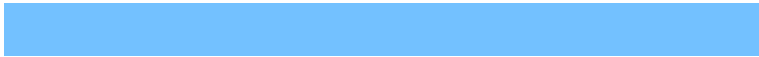
12, 22.308, 54.632

Inverse Universe

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



74, 30.788, 256.880



76, 38.414, 259.460



60, 57.393, 294.255



47, 3.963, 249.929



42, 49.412, 277.496



10, 18.581, 268.825

Previews

White Background



This preview shows how the CIELCh color 76, 37.166, 63.529 looks on a white background.

Color Contrast Check

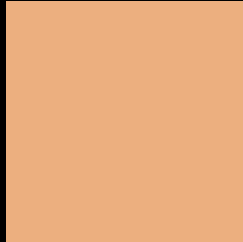
Large Text (above 18pt) WCAG AA × Fail

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 76, 37.166, 63.529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

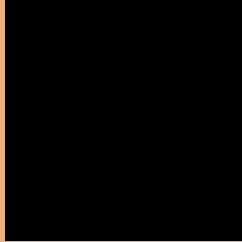
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 37.166, 63.529

Background



This preview shows how black text looks on a background with the CIELCh color 76, 37.166, 63.529.



This preview shows how white text looks on a background with the CIELCh color 76, 37.166, 63.529.

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, 37.166, 63.529

Protanopia

76, 30.348, 96.345

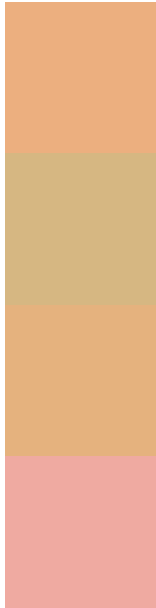
Deuteranopia

76, 34.972, 74.401



Tritanopia
76, 28.944, 8.326

Trichromacy



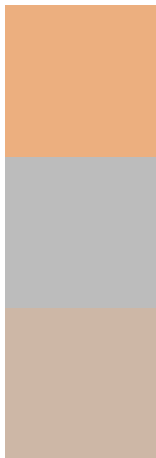
Original Color
76, 37.166, 63.529

Protanomaly
76, 31.311, 82.975

Deuteranomaly
76, 35.741, 70.257

Tritanomaly
76, 28.335, 31.387

Monochromacy



Original Color
76, 37.166, 63.529

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 12.588, 66.037

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 37.166, 63.529 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(236, 175, 127)` looks like.

```
.text, #text, p{  
    color:rgb(236, 175, 127)  
}
```

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(236, 175, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 175, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 37.166, 63.529 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(236, 175, 127) }
```

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

```
.border{ border-color:rgb(236, 175, 127) }
```

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

Here you see how a box with a 4 pixel rgb(236, 175, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 175, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 175, 127);  
box-shadow:4px 4px 4px 4px rgb(236, 175,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 37.166, 63.529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 175, 127) }
```

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

```
.background{ background-color: rgb(236,  
175, 127) }
```

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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