

Converting Colors

CIELCh(76, 49.849, 90.028)

Have a look what the booklet for
CIELCh(76, 49.849, 90.028) contains.

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Color

CIELCh(76, 49.935, 90.361)

Conversions

Conversions Part 1

Format	Color
Hex	D7B95D
RGB	215, 185, 93
RGB Percent	84%, 73%, 36%
CMY	0.1572, 0.2748, 0.6356
CMYK	0.00, 0.14, 0.57, 0.16
HSL	45°, 60%, 60%
HSV	45°, 57%, 84%
XYZ	47.3036, 49.8872, 17.4743
YIQ	183.4820, 47.4120, -22.2520

Conversions

Conversions Part 2

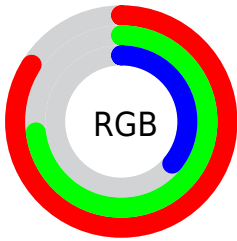
Format	Color
R _{YB}	133, 215, 93
Decimal	14137693
CIE Lab	76.00, -0.31, 49.93
CIE LCh	76, 49.935, 90.361
Yxy	49.8872, 0.4125, 0.4351
Android (android.graphics.Color)	4292327773 (0xFFD7B95D)
YUV	183.4820, -44.6076, 27.6413
Hunter-Lab	70.6309, -4.0575, 34.7731

Details

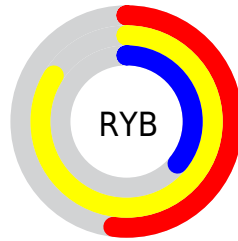
The CIELCh color **76, 49.935, 90.361** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **53, 53.204, 287.916**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 48.129, 99.631**, and **56, 49.625, 90.439** is the 20% darker color. If you saturate the color by 10%, you get **74, 57.992, 88.994**, and if you desaturate by 10%, it is **78, 41.330, 91.696**.

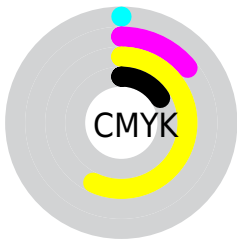
Distribution



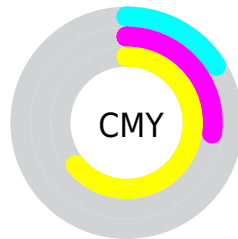
- Red (84%)
- Green (73%)
- Blue (36%)



- Red (52%)
- Yellow (84%)
- Blue (36%)



- Cyan (0%)
- Magenta (14%)
- Yellow (57%)
- Black (16%)



- Cyan (16%)
- Magenta (27%)
- Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 49.935, 90.361 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, 49.935, 90.361 by changing the saturation by 10% instead.

 76, 49.935, 90.361

 76, 49.935, 90.361

 100, 49.935,
90.361

 66, 49.935, 90.361

 96, 49.935, 90.361

 56, 49.935, 90.361

 46, 49.935, 90.361

 36, 49.935, 90.361

 26, 49.935, 90.361

 16, 49.935, 90.361

 6, 49.935, 90.361

 0, 49.935, 90.361

 76, 49.935, 90.361

 76, 49.935, 90.361

74, 57.992, 88.994

78, 41.330, 91.696

73, 65.000, 87.554

79, 32.482, 92.997

72, 70.251, 85.983

81, 23.569, 94.269

70, 73.082, 84.180

83, 14.686, 95.504

70, 73.723, 83.571

85, 5.883, 96.687

87, 2.815, 277.949

89, 11.398,
279.011

90, 14.922,
275.394

92, 12.922,
264.081

Harmonies

Complementary

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



76, 49.935, 90.361



53, 53.204, 287.916

Rectangle

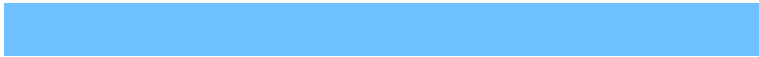
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 49.935, 90.361



76, 49.935, 140.361



76, 49.935, 270.361



76, 49.935, 320.361

Sweetspot

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



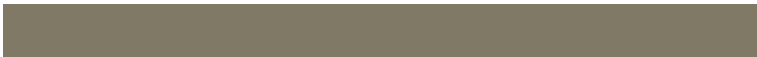
76, 49.935, 90.364



96, 17.116, 95.455



56, 51.229, 8.019



51, 11.462, 95.207



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, 49.935, 90.364



87, 67.611, 88.727



82, 62.309, 116.548



44, 4.936, 96.381



56, 62.212, 83.922



13, 19.518, 87.312

Inverse Universe

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



53, 53.204, 287.916



56, 74.606, 291.343



48, 71.621, 304.896



42, 4.975, 278.697



26, 81.690, 300.600



4, 22.964, 287.649

Previews

White Background



This preview shows how the CIELCh color 76, 49.935, 90.361 looks on a white background.

Color Contrast Check

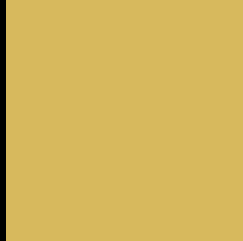
Large Text (above 18pt) WCAG AA × Fail

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, 49.935, 90.361 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, 49.935, 90.361

Background



This preview shows how black text looks on a background with the CIELCh color 76, 49.935, 90.361.

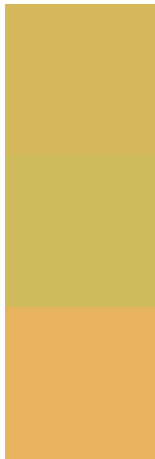


This preview shows how white text looks on a background with the CIELCh color 76, 49.935, 90.361.

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, 49.935, 90.361

Protanopia

76, 49.615, 95.953

Deuteranopia

76, 50.394, 78.929



Tritanopia
76, 19.994, 359.237

Trichromacy



Original Color
76, 49.935, 90.361

Protanomaly
76, 49.537, 93.905

Deuteranomaly
76, 50.015, 83.055

Tritanomaly
76, 21.892, 57.842

Monochromacy



Original Color
76, 49.935, 90.361

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 18.771, 94.841

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 49.935, 90.361 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(215, 185, 93)` looks like.

```
.text, #text, p{  
    color:rgb(215, 185, 93)  
}
```

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(215, 185, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 185, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 49.935, 90.361 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(215, 185, 93) }
```

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

```
.border{ border-color:rgb(215, 185, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 185, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 185, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 185, 93);  
box-shadow:4px 4px 4px 4px rgb(215, 185,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 49.935, 90.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 185, 93) }
```

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

```
.background{ background-color: rgb(215,  
185, 93) }
```

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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