

Converting Colors

CIELCh(76, 43.617, 83.193)

Have a look what the booklet for
CIELCh(76, 43.617, 83.193) contains.

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Color

CIELCh(76, 43.446, 83.515)

Conversions

Conversions Part 1

Format	Color
Hex	DDB66B
RGB	221, 182, 107
RGB Percent	87%, 71%, 42%
CMY	0.1333, 0.2863, 0.5804
CMYK	0.00, 0.18, 0.52, 0.13
HSL	39°, 63%, 64%
HSV	39°, 52%, 87%
XYZ	49.1984, 49.8872, 20.9451
YIQ	185.1110, 47.3190, -15.0570

Conversions

Conversions Part 2

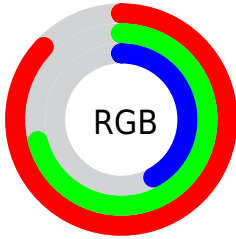
Format	Color
RYB	166, 221, 107
Decimal	14530155
CIELab	76.00, 4.91, 43.17
CIElCh	76, 43.446, 83.515
Yxy	49.8872, 0.4099, 0.4156
Android (android.graphics.Color)	4292720235 (0xFFDDB66B)
YUV	185.1110, -38.5087, 31.4747
Hunter-Lab	70.6309, 0.7312, 31.8596

Details

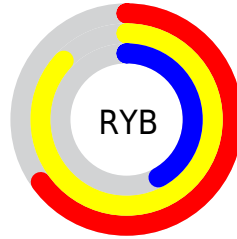
The CIELCh color **76, 43.446, 83.515** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **61, 43.024, 280.087**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 40.176, 97.291**, and **56, 43.267, 83.504** is the 20% darker color. If you saturate the color by 10%, you get **74, 51.929, 82.037**, and if you desaturate by 10%, it is **78, 34.805, 84.942**.

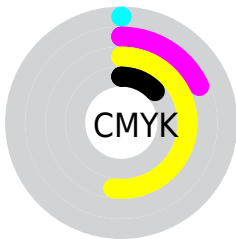
Distribution



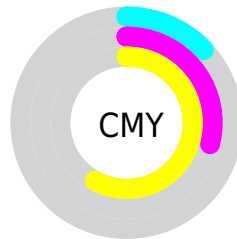
- Red (87%)
- Green (71%)
- Blue (42%)



- Red (65%)
- Yellow (87%)
- Blue (42%)



- Cyan (0%)
- Magenta (18%)
- Yellow (52%)
- Black (13%)



- Cyan (13%)
- Magenta (29%)
- Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 43.446, 83.515 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, 43.446, 83.515 by changing the saturation by 10% instead.

 76, 43.446, 83.515

 76, 43.446, 83.515

 100, 43.446,
83.515

 66, 43.446, 83.515

 96, 43.446, 83.515

 56, 43.446, 83.515

 46, 43.446, 83.515

 36, 43.446, 83.515

 26, 43.446, 83.515

 16, 43.446, 83.515

 6, 43.446, 83.515

 0, 43.446, 83.515

 76, 43.446, 83.515

 76, 43.446, 83.515

74, 51.929, 82.037

78, 34.805, 84.942

72, 59.899, 80.454

81, 26.195, 86.320

70, 66.751, 78.681

83, 17.711, 87.656

68, 71.634, 76.558

85, 9.396, 88.943

66, 74.044, 74.442

88, 1.262, 90.016

90, 6.692, 271.474

93, 11.284,
266.442

94, 9.574, 241.507

96, 10.065,
213.547

Harmonies

Complementary

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



76, 43.446, 83.515



61, 43.024, 280.087

Rectangle

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



76, 43.446, 83.515



76, 43.446, 133.515



76, 43.446, 263.515



76, 43.446, 313.515

Sweetspot

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



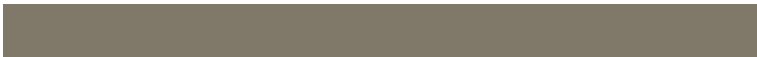
76, 43.446, 83.519



96, 13.722, 88.495



60, 48.668, 359.392



51, 9.385, 88.222



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, 43.446, 83.519



84, 58.701, 81.897



85, 57.691, 112.315



45, 4.564, 89.211



53, 61.792, 74.968



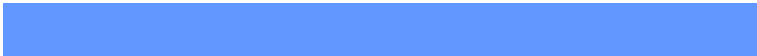
13, 19.384, 77.675

Inverse Universe

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



61, 43.024, 280.087



63, 58.672, 283.275



52, 66.119, 301.612



43, 4.559, 271.694



30, 71.886, 295.931



5, 22.418, 284.981

Previews

White Background



This preview shows how the CIELCh color 76, 43.446, 83.515 looks on a white background.

Color Contrast Check

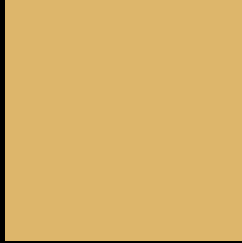
Large Text (above 18pt) WCAG AA × Fail

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, 43.446, 83.515 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, 43.446, 83.515

Background



This preview shows how black text looks on a background with the CIELCh color 76, 43.446, 83.515.



This preview shows how white text looks on a background with the CIELCh color 76, 43.446, 83.515.

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, 43.446, 83.515

Protanopia

76, 42.294, 95.747

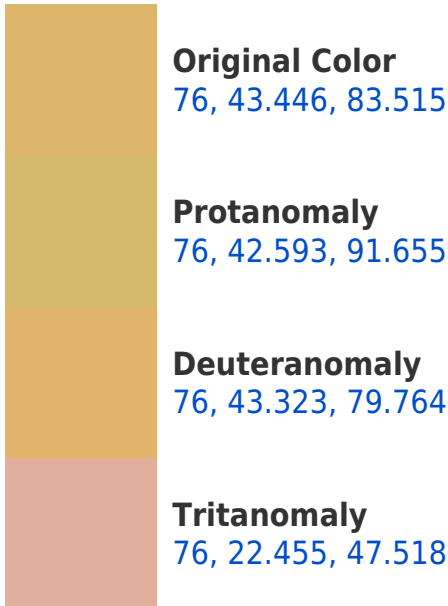
Deuteranopia

76, 43.799, 77.525



Tritanopia
76, 22.047, 3.087

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 43.446, 83.515 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(221, 182, 107)` looks like.

```
.text, #text, p{  
    color:rgb(221, 182, 107)  
}
```

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(221, 182, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 182, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 43.446, 83.515 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(221, 182, 107) }
```

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

```
.border{ border-color:rgb(221, 182, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 182, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 182, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 182, 107);  
box-shadow:4px 4px 4px 4px rgb(221, 182,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 43.446, 83.515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 182, 107) }
```

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

```
.background{ background-color: rgb(221,  
182, 107) }
```

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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