

Converting Colors

CIELCh(76, 70.043, 89.316)

Have a look what the booklet for
CIELCh(76, 70.043, 89.316) contains.

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Color

CIELCh(76, 69.975, 89.538)

Conversions

Conversions Part 1

Format	Color
Hex	DEB82C
RGB	222, 184, 44
RGB Percent	87%, 72%, 17%
CMY	0.1302, 0.2791, 0.8283
CMYK	0.00, 0.17, 0.80, 0.13
HSL	47°, 73%, 52%
HSV	47°, 80%, 87%
XYZ	47.6190, 49.8872, 9.4815
YIQ	179.4020, 67.5880, -35.4840

Conversions

Conversions Part 2

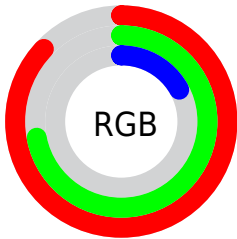
Format	Color
R _{YB}	92, 222, 44
Decimal	14596140
CIE Lab	76.00, 0.56, 69.97
CIE LCh	76, 69.975, 89.538
Yxy	49.8872, 0.4451, 0.4663
Android (android.graphics.Color)	4292786220 (0xFFDEB82C)
YUV	179.4020, -66.7532, 37.3584
Hunter-Lab	70.6309, -3.2602, 41.4825

Details

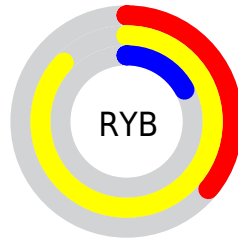
The CIELCh color **76, 69.975, 89.538** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **41, 83.706, 296.652**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 67.657, 99.489**, and **56, 61.157, 88.781** is the 20% darker color. If you saturate the color by 10%, you get **75, 74.364, 88.070**, and if you desaturate by 10%, it is **77, 63.436, 90.903**.

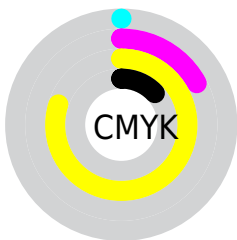
Distribution



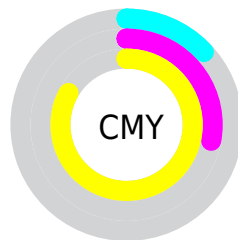
- Red (87%)
- Green (72%)
- Blue (17%)



- Red (36%)
- Yellow (87%)
- Blue (17%)



- Cyan (0%)
- Magenta (17%)
- Yellow (80%)
- Black (13%)



- Cyan (13%)
- Magenta (28%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 69.975, 89.538 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, 69.975, 89.538 by changing the saturation by 10% instead.

 76, 69.975, 89.538

 76, 69.975, 89.538

 100, 69.975,
89.538

 66, 69.975, 89.538

 96, 69.975, 89.538

 56, 69.975, 89.538

 46, 69.975, 89.538

 36, 69.975, 89.538

 26, 69.975, 89.538

 16, 69.975, 89.538

 6, 69.975, 89.538

 0, 69.975, 89.538

 76, 69.975, 89.538

 76, 69.975, 89.538

75, 74.364, 88.070

77, 63.436, 90.903

74, 76.387, 86.483

79, 55.489, 92.213

80, 46.734, 93.496

82, 37.567, 94.760

83, 28.224, 96.003

85, 18.842, 97.219

87, 9.496, 98.396

88, 0.226, 98.774

90, 8.950, 280.688

Harmonies

Complementary

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



76, 69.975, 89.538



41, 83.706, 296.652

Rectangle

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



76, 69.975, 89.538



76, 69.975, 139.538



76, 69.975, 269.538



76, 69.975, 319.538

Sweetspot

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



76, 69.974, 89.541



95, 25.034, 96.745



49, 71.655, 18.799



50, 17.214, 96.307



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, 69.974, 89.541



84, 84.211, 87.015



82, 83.808, 117.795



45, 5.206, 98.491



59, 63.656, 86.794



15, 21.505, 89.934

Inverse Universe

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



41, 83.706, 296.652



39, 113.027, 301.510



37, 102.973, 307.782



43, 5.261, 280.752



25, 86.007, 301.864



4, 25.287, 289.759

Previews

White Background



This preview shows how the CIELCh color 76, 69.975, 89.538 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, 69.975, 89.538 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, 69.975, 89.538

Background



This preview shows how black text looks on a background with the CIELCh color 76, 69.975, 89.538.



This preview shows how white text looks on a background with the CIELCh color 76, 69.975, 89.538.

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, 69.975, 89.538

Protanopia

76, 69.561, 95.148

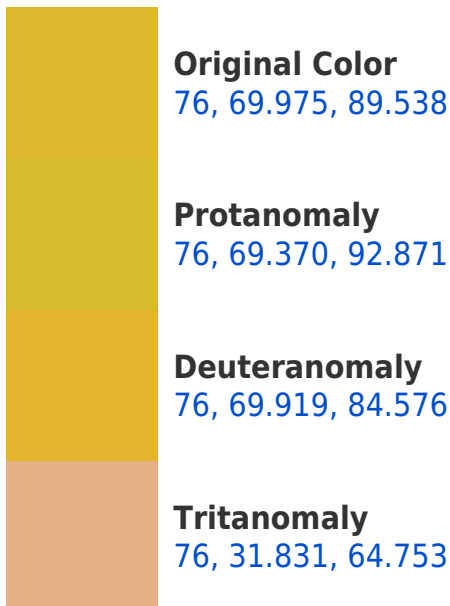
Deuteranopia

76, 70.204, 81.944



Tritanopia
76, 24.062, 3.560

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 69.975, 89.538 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(222, 184, 44)` looks like.

```
.text, #text, p{  
    color:rgb(222, 184, 44)  
}
```

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(222, 184, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 184, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 69.975, 89.538 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(222, 184, 44) }
```

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

```
.border{ border-color:rgb(222, 184, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 184, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 184, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 184, 44);  
box-shadow:4px 4px 4px 4px rgb(222, 184,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 69.975, 89.538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 184, 44) }
```

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

```
.background{ background-color: rgb(222,  
184, 44) }
```

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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