

Converting Colors

CIELCh(78, 47.030, 87.845)

Have a look what the booklet for
CIELCh(78, 47.030, 87.845) contains.

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Color

CIELCh(78, 47.068, 87.814)

Conversions

Conversions Part 1

Format	Color
Hex	DFBD68
RGB	223, 189, 104
RGB Percent	87%, 74%, 41%
CMY	0.1246, 0.2580, 0.5914
CMYK	0.00, 0.15, 0.53, 0.12
HSL	43°, 65%, 64%
HSV	43°, 53%, 88%
XYZ	51.2517, 53.2120, 20.7187
YIQ	189.4760, 47.5490, -19.2270

Conversions

Conversions Part 2

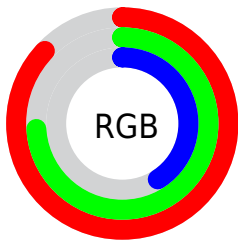
Format	Color
R_{YB}	152, 223, 104
Decimal	14663016
CIE _{Lab}	78.00, 1.80, 47.03
CIE _{LCh}	78, 47.068, 87.814
Yxy	53.2120, 0.4094, 0.4251
Android (android.graphics.Color)	4292853096 (0xFFDFBD68)
YUV	189.4760, -42.1397, 29.4005
Hunter-Lab	72.9466, -2.2437, 34.2227

Details

The CIELCh color **78, 47.068, 87.814** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **59, 48.570, 284.544**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 44.458, 101.556**, and **58, 47.166, 88.015** is the 20% darker color. If you saturate the color by 10%, you get **76, 55.567, 86.387**, and if you desaturate by 10%, it is **80, 38.222, 89.198**.

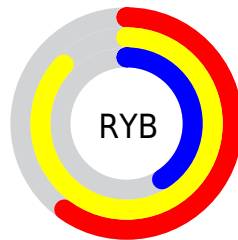
Distribution



Red (87%)

Green (74%)

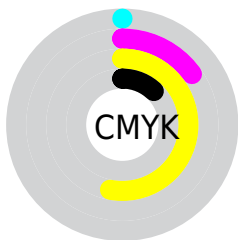
Blue (41%)



Red (60%)

Yellow (87%)

Blue (41%)

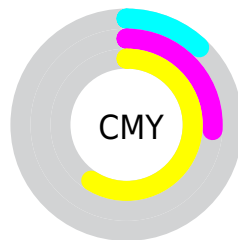


Cyan (0%)

Magenta (15%)

Yellow (53%)

Black (12%)



Cyan (12%)

Magenta (26%)

Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 47.068, 87.814 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 78, 47.068, 87.814 by changing the saturation by 10% instead.

 78, 47.068, 87.814

 78, 47.068, 87.814

 100, 47.068,
87.814

 68, 47.068, 87.814

 98, 47.068, 87.814

 58, 47.068, 87.814

 48, 47.068, 87.814

 38, 47.068, 87.814

 28, 47.068, 87.814

 18, 47.068, 87.814

 8, 47.068, 87.814

 0, 47.068, 87.814

 78, 47.068, 87.814

 78, 47.068, 87.814

76, 55.567, 86.387

80, 38.222, 89.198

74, 63.289, 84.874

82, 29.274, 90.539

73, 69.566, 83.206

84, 20.356, 91.843

71, 73.577, 81.257

86, 11.536, 93.103

70, 75.058, 79.788

88, 2.845, 94.269

90, 5.704, 275.568

92, 11.423,
272.719

94, 9.421, 253.149

96, 8.914, 227.937

Harmonies

Complementary

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



78, 47.068, 87.814



59, 48.570, 284.544

Rectangle

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



78, 47.068, 87.814



78, 47.068, 137.814



78, 47.068, 267.814



78, 47.068, 317.814

Sweetspot

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



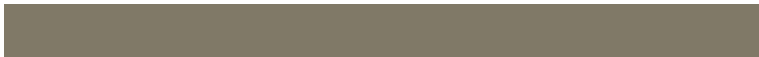
78, 47.068, 87.818



96, 15.471, 92.756



59, 50.036, 3.438



51, 10.463, 92.496



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 47.068, 87.818



86, 62.485, 86.218



85, 60.295, 114.480



46, 4.921, 93.575



56, 62.891, 80.210



15, 21.514, 83.264

Inverse Universe

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



59, 48.570, 284.544



60, 65.928, 287.739



52, 69.101, 303.180



44, 4.943, 275.976



28, 79.271, 298.923



5, 25.322, 288.570

Previews

White Background



This preview shows how the CIELCh color 78, 47.068, 87.814 looks on a white background.

Color Contrast Check

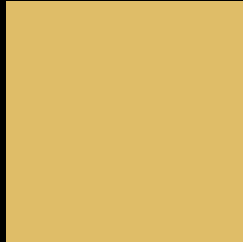
Large Text (above 18pt) WCAG AA × Fail

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 78, 47.068, 87.814 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 78, 47.068, 87.814

Background



This preview shows how black text looks on a background with the CIELCh color 78, 47.068, 87.814.



This preview shows how white text looks on a background with the CIELCh color 78, 47.068, 87.814.

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

78, 47.068, 87.814

Protanopia

78, 46.119, 95.787

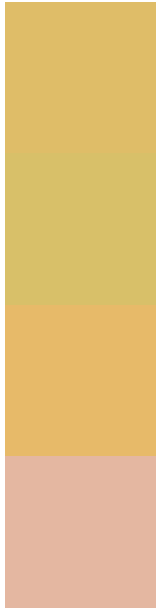
Deuteranopia

78, 47.905, 87.119



Tritanopia
78, 20.965, 0.488

Trichromacy



Original Color
78, 47.068, 87.814

Protanomaly
78, 46.629, 93.164

Deuteranomaly
78, 47.241, 81.782

Tritanomaly
78, 21.735, 52.931

Monochromacy



Original Color
78, 47.068, 87.814

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 17.214, 92.610

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 47.068, 87.814 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(223, 189, 104)` looks like.

```
.text, #text, p{  
    color:rgb(223, 189, 104)  
}
```

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(223, 189, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 189, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 47.068, 87.814 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(223, 189, 104) }
```

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

```
.border{ border-color:rgb(223, 189, 104) }
```

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

Here you see how a box with a 4 pixel rgb(223, 189, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 189, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 189, 104);  
box-shadow:4px 4px 4px 4px rgb(223, 189,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 47.068, 87.814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 189, 104) }
```

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

```
.background{ background-color: rgb(223,  
189, 104) }
```

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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