

Converting Colors

CIELCh(84, 45.766, 103.690)

Have a look what the booklet for
CIELCh(84, 45.766, 103.690)
contains.

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Color

CIELCh(84, 45.740, 103.587)

Conversions

Conversions Part 1

Format	Color
Hex	DAD57C
RGB	218, 213, 124
RGB Percent	85%, 84%, 49%
CMY	0.1444, 0.1640, 0.5131
CMYK	0.00, 0.02, 0.43, 0.14
HSL	57°, 56%, 67%
HSV	57°, 43%, 86%
XYZ	56.4512, 64.0658, 28.5122
YIQ	204.3490, 31.5490, -26.6190

Conversions

Conversions Part 2

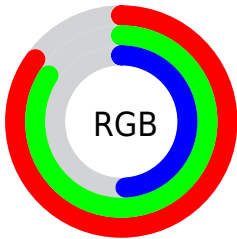
Format	Color
RYB	129, 218, 124
Decimal	14341500
CIELab	84.00, -10.75, 44.46
CIELCh	84, 45.740, 103.587
Yxy	64.0658, 0.3788, 0.4299
Android (android.graphics.Color)	4292531580 (0xFFDAD57C)
YUV	204.3490, -39.6121, 11.9719
Hunter-Lab	80.0411, -14.1799, 34.9085

Details

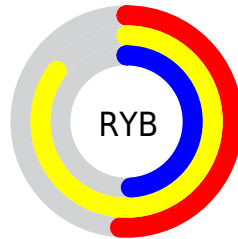
The CIELCh color **84, 45.740, 103.587** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **57, 50.676, 294.126**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 38.628, 107.231**, and **64, 45.801, 104.078** is the 20% darker color. If you saturate the color by 10%, you get **83, 55.565, 102.619**, and if you desaturate by 10%, it is **85, 35.429, 104.598**.

Distribution



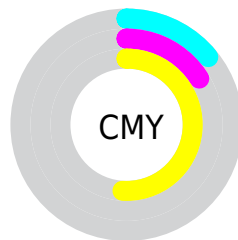
- Red (85%)
- Green (84%)
- Blue (49%)



- Red (51%)
- Yellow (85%)
- Blue (49%)



- Cyan (0%)
- Magenta (2%)
- Yellow (43%)
- Black (14%)




- Cyan (14%)
- Magenta (16%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 45.740, 103.587 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 84, 45.740, 103.587 by changing the saturation by 10% instead.

 84, 45.740,
103.587

 84, 45.740,
103.587


 100, 45.740,
103.587


 74, 45.740,
103.587

 64, 45.740,
103.587

 54, 45.740,
103.587

 44, 45.740,
103.587

 34, 45.740,
103.587

 24, 45.740,
103.587

 14, 45.740,

103.587

■ 4, 45.740, 103.587

■ 0, 45.740, 103.587

■ 84, 45.740,
103.587

■ 84, 45.740,
103.587

■ 83, 55.565,
102.619

■ 85, 35.429,
104.598

■ 83, 64.571,
101.712

■ 85, 24.842,
105.621

■ 82, 72.286,
100.897

■ 86, 14.113,
106.642

■ 82, 78.133,
100.204

■ 87, 3.327, 107.630

■ 82, 81.613, 99.648

■ 88, 7.465, 288.655

■ 81, 82.836, 99.327

■ 89, 18.195,
289.593

■ 89, 17.586,
288.201

■ 89, 16.987,
286.713

■ 90, 16.401,
285.121

Harmonies

Complementary

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



84, 45.740, 103.587



57, 50.676, 294.126

Rectangle

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



84, 45.740, 103.587



84, 45.740, 153.587



84, 45.740, 283.587



84, 45.740, 333.587

Sweetspot

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



84, 45.741, 103.590



99, 15.905, 106.640



63, 39.155, 18.906



53, 11.127, 106.414



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 45.741, 103.590



96, 61.832, 102.679



82, 50.858, 124.603



46, 6.147, 107.011



66, 69.830, 99.384



17, 25.151, 101.246

Inverse Universe

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



57, 50.676, 294.126



59, 70.749, 296.074



59, 54.722, 309.138



42, 6.270, 288.983



21, 97.743, 305.598



2, 28.506, 293.777

Previews

White Background



This preview shows how the CIELCh color 84, 45.740, 103.587 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 84, 45.740, 103.587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

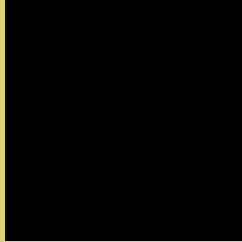
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 45.740, 103.587

Background



This preview shows how black text looks on a background with the CIELCh color 84, 45.740, 103.587.

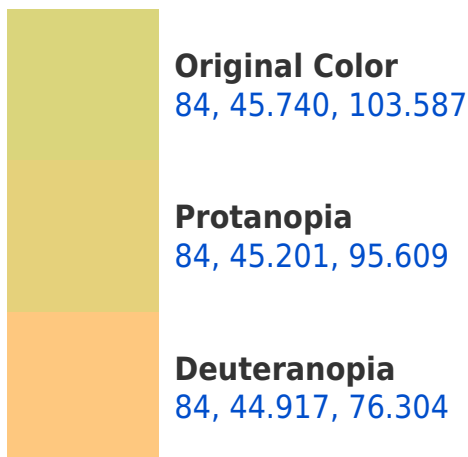


This preview shows how white text looks on a background with the CIELCh color 84, 45.740, 103.587.

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](#).

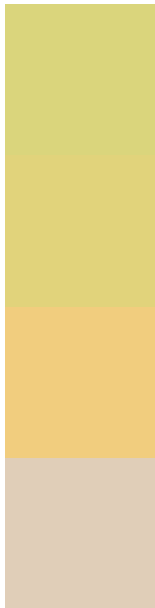
Dichromacy





Tritanopia
84, 12.681, 338.748

Trichromacy



Original Color
84, 45.740, 103.587

Protanomaly
84, 45.674, 98.867

Deuteranomaly
84, 43.932, 86.423

Tritanomaly
84, 13.483, 78.331

Monochromacy



Original Color
84, 45.740, 103.587

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 16.820, 106.074

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 45.740, 103.587 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(218, 213, 124)` looks like.

```
.text, #text, p{  
    color:rgb(218, 213, 124)  
}
```

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(218, 213, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 213, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 45.740, 103.587 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(218, 213, 124) }
```

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

```
.border{ border-color:rgb(218, 213, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 213, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 213, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 213, 124);  
box-shadow:4px 4px 4px 4px rgb(218, 213,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 45.740, 103.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 213, 124) }
```

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

```
.background{ background-color: rgb(218,  
213, 124) }
```

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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