

Converting Colors

CIELCh(84, 68.616, 96.635)

Have a look what the booklet for
CIELCh(84, 68.616, 96.635) contains.

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Color

CIELCh(84, 68.613, 96.605)

Conversions

Conversions Part 1

Format	Color
Hex	E8D348
RGB	232, 211, 72
RGB Percent	91%, 83%, 28%
CMY	0.0911, 0.1734, 0.7185
CMYK	0.00, 0.09, 0.69, 0.09
HSL	52°, 77%, 60%
HSV	52°, 69%, 91%
XYZ	57.6087, 64.0658, 15.4232
YIQ	201.4330, 57.1350, -38.7770

Conversions

Conversions Part 2

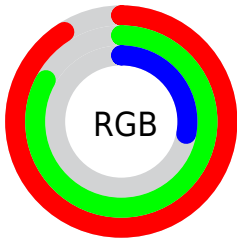
Format	Color
R _Y B	96, 232, 72
Decimal	15258440
CIE Lab	84.00, -7.89, 68.16
CIE LCh	84, 68.613, 96.605
Yxy	64.0658, 0.4202, 0.4673
Android (android.graphics.Color)	4293448520 (0xFFE8D348)
YUV	201.4330, -63.8105, 26.8073
Hunter-Lab	80.0411, -11.5986, 44.6041

Details

The CIELCh color **84, 68.613, 96.605** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **46, 81.677, 297.081**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 62.217, 105.416**, and **64, 67.877, 96.588** is the 20% darker color. If you saturate the color by 10%, you get **83, 75.498, 95.565**, and if you desaturate by 10%, it is **85, 60.143, 97.688**.

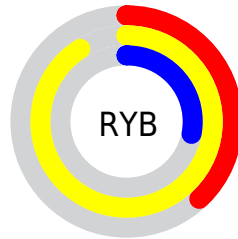
Distribution



Red (91%)

Green (83%)

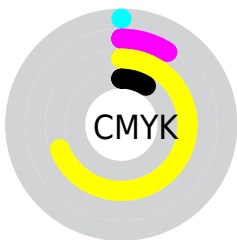
Blue (28%)



Red (38%)

Yellow (91%)

Blue (28%)

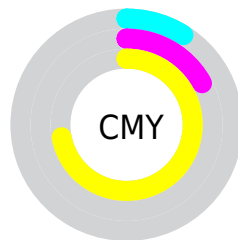


Cyan (0%)

Magenta (9%)

Yellow (69%)

Black (9%)



Cyan (9%)

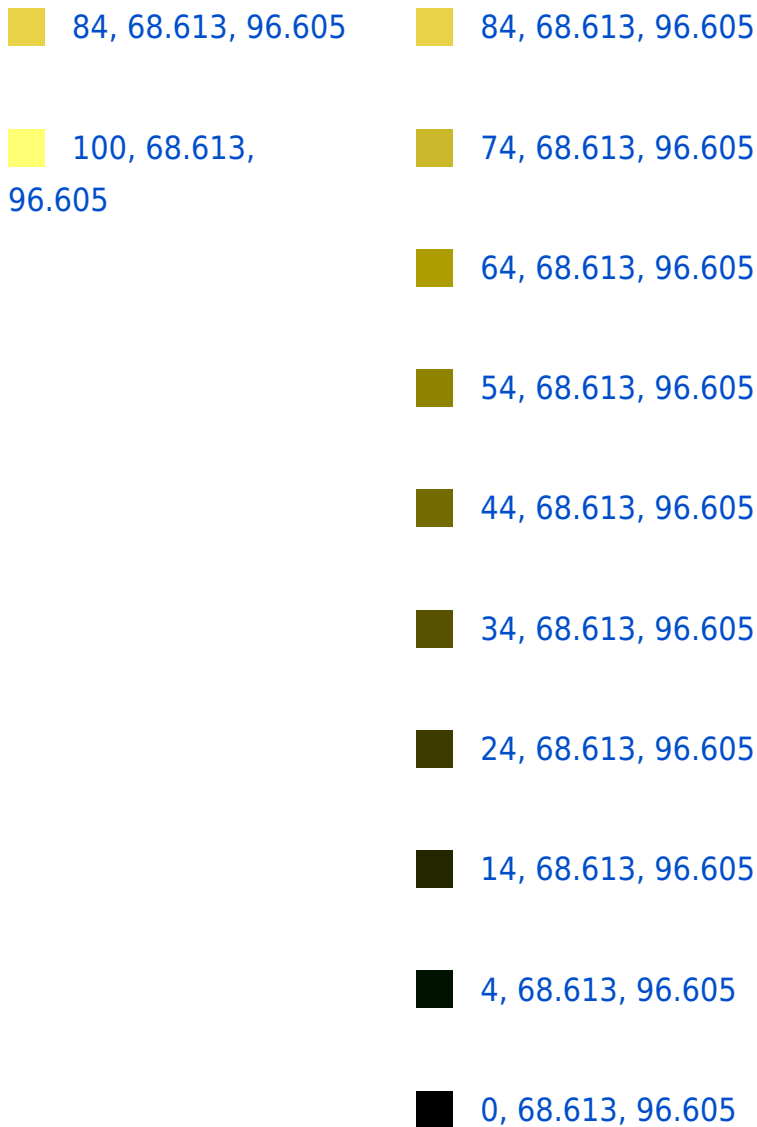
Magenta (17%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 68.613, 96.605 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, 68.613, 96.605 by changing the saturation by 10% instead.



■ 84, 68.613, 96.605

■ 84, 68.613, 96.605

■ 83, 75.498, 95.565

■ 85, 60.143, 97.688

■ 82, 80.109, 94.553

■ 86, 50.689, 98.798

■ 81, 82.178, 93.544

■ 87, 40.672, 99.924

■ 81, 82.328, 93.446

■ 88, 30.360,
101.053

■ 89, 19.916,
102.172

■ 91, 9.435, 103.264

■ 92, 1.027, 284.481

■ 93, 10.307,
284.659

■ 94, 8.907, 276.742

Harmonies

Complementary

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



84, 68.613, 96.605



46, 81.677, 297.081

Rectangle

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



84, 68.613, 96.605



84, 68.613, 146.605



84, 68.613, 276.605



84, 68.613, 326.605

Sweetspot

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



84, 68.613, 96.608



97, 23.752, 101.940



55, 66.882, 20.863



51, 16.074, 101.630



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, 68.613, 96.608



90, 83.679, 95.116



85, 79.852, 121.243



48, 5.890, 103.219



64, 67.803, 93.622



18, 25.983, 95.754

Inverse Universe

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



46, 81.677, 297.081



42, 107.673, 300.971



46, 92.580, 308.940



45, 5.984, 285.336



23, 95.325, 304.281



3, 30.626, 294.074

Previews

White Background



This preview shows how the CIELCh color 84, 68.613, 96.605 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, 68.613, 96.605 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, 68.613, 96.605

Background



This preview shows how black text looks on a background with the CIELCh color 84, 68.613, 96.605.

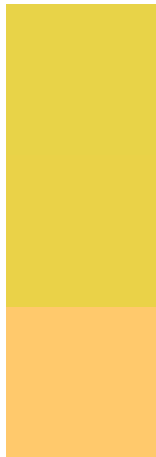


This preview shows how white text looks on a background with the CIELCh color 84, 68.613, 96.605.

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


84, 68.613, 96.605

Protanopia

84, 68.446, 95.490

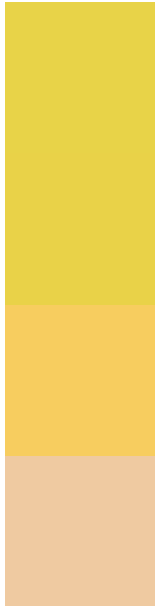
Deuteranopia

84, 53.852, 80.388



Tritanopia
84, 18.704, 356.073

Trichromacy



Original Color
84, 68.613, 96.605

Protanomaly
84, 68.371, 95.849

Deuteranomaly
84, 59.061, 87.333

Tritanomaly
84, 26.373, 73.949

Monochromacy



Original Color
84, 68.613, 96.605

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 26.896, 101.820

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 68.613, 96.605 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(232, 211, 72)` looks like.

```
.text, #text, p{  
    color:rgb(232, 211, 72)  
}
```

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(232, 211, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 211, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 68.613, 96.605 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(232, 211, 72) }
```

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

```
.border{ border-color:rgb(232, 211, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 211, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 211, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 211, 72);  
box-shadow:4px 4px 4px 4px rgb(232, 211,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 68.613, 96.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 211, 72) }
```

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

```
.background{ background-color: rgb(232,  
211, 72) }
```

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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