

Converting Colors

CIELCh(87, 68.616, 96.837)

Have a look what the booklet for
CIELCh(87, 68.616, 96.837) contains.

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Color

CIELCh(87, 68.616, 96.837)

Conversions

Conversions Part 1

Format	Color
Hex	F0DB50
RGB	240, 219, 80
RGB Percent	94%, 86%, 31%
CMY	0.0574, 0.1399, 0.6850
CMYK	0.00, 0.09, 0.67, 0.06
HSL	52°, 85%, 63%
HSV	52°, 67%, 94%
XYZ	62.9334, 70.0064, 17.8490
YIQ	209.4330, 57.1350, -38.7770

Conversions

Conversions Part 2

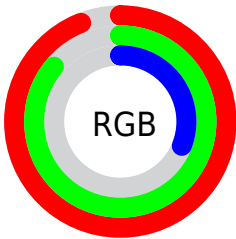
Format	Color
RYB	104, 240, 80
Decimal	15784784
CIELab	87.00, -8.17, 68.13
CIElCh	87, 68.616, 96.837
Yxy	70.0064, 0.4174, 0.4643
Android (android.graphics.Color)	4293974864 (0xFFFF0DB50)
YUV	209.4330, -63.8105, 26.8073
Hunter-Lab	83.6698, -12.1609, 45.9207

Details

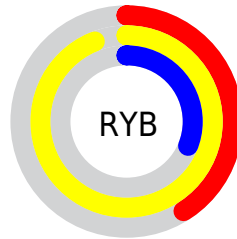
The CIELCh color **87, 68.616, 96.837** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **49, 80.808, 296.447**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 58.607, 105.692**, and **67, 68.513, 96.859** is the 20% darker color. If you saturate the color by 10%, you get **86, 76.146, 95.785**, and if you desaturate by 10%, it is **88, 59.609, 97.931**.

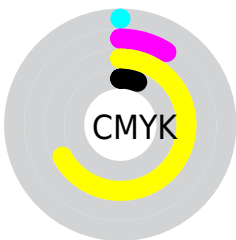
Distribution



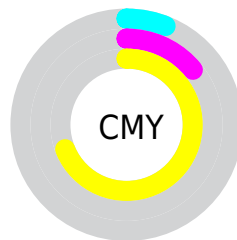
- Red (94%)
- Green (86%)
- Blue (31%)



- Red (41%)
- Yellow (94%)
- Blue (31%)



- Cyan (0%)
- Magenta (9%)
- Yellow (67%)
- Black (6%)

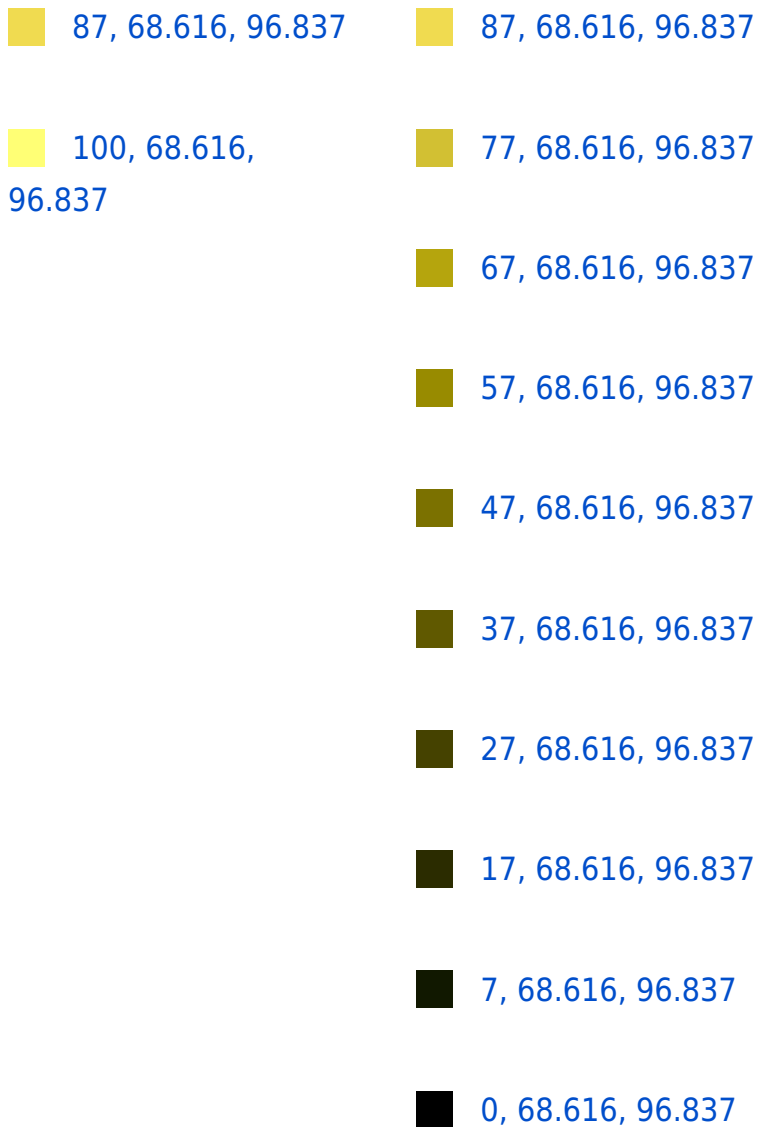


- Cyan (6%)
- Magenta (14%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 68.616, 96.837 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 87, 68.616, 96.837 by changing the saturation by 10% instead.



87, 68.616, 96.837

87, 68.616, 96.837

86, 76.146, 95.785

88, 59.609, 97.931

85, 81.487, 94.765

89, 49.705, 99.048

84, 84.097, 93.752

90, 39.298,
100.179

84, 84.594, 93.405

91, 28.635,
101.310

93, 17.864,
102.426

94, 7.072, 103.510

95, 3.689, 284.633

96, 5.507, 275.246

97, 4.463, 255.711

Harmonies

Complementary

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



87, 68.616, 96.837



49, 80.808, 296.447

Rectangle

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



87, 68.616, 96.837



87, 68.616, 146.837



87, 68.616, 276.837



87, 68.616, 326.837

Sweetspot

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



87, 68.616, 96.840



97, 22.615, 102.039



57, 66.490, 20.053



51, 15.429, 101.724



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 68.616, 96.840



90, 81.993, 95.407



88, 79.913, 121.255



50, 6.102, 103.202



66, 69.216, 93.582



20, 28.528, 95.359

Inverse Universe

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



49, 80.808, 296.447



43, 103.624, 300.167



49, 92.104, 308.798



46, 6.200, 285.329



24, 97.456, 304.316



4, 34.371, 296.310

Previews

White Background



This preview shows how the CIELCh color 87, 68.616, 96.837 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 87, 68.616, 96.837 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 87, 68.616, 96.837

Background



This preview shows how black text looks on a background with the CIELCh color 87, 68.616, 96.837.

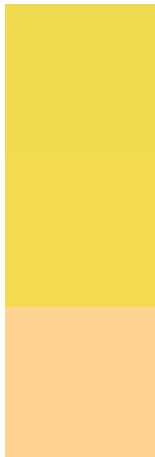


This preview shows how white text looks on a background with the CIELCh color 87, 68.616, 96.837.

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

87, 68.616, 96.837

Protanopia

87, 68.516, 95.377

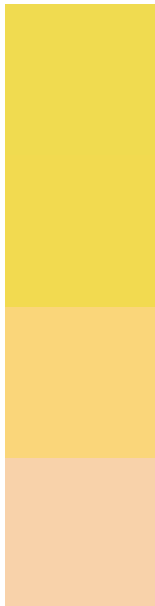
Deuteranopia

87, 38.598, 79.332



Tritanopia
87, 19.105, 355.075

Trichromacy



Original Color
87, 68.616, 96.837

Protanomaly
87, 68.440, 95.732

Deuteranomaly
87, 49.725, 88.414

Tritanomaly
86, 25.953, 72.793

Monochromacy



Original Color
87, 68.616, 96.837

Achromatopsia
84, 0.010, 296.813

Achromatomaly
85, 26.247, 101.000

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 68.616, 96.837 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(240, 219, 80)` looks like.

```
.text, #text, p{  
    color:rgb(240, 219, 80)  
}
```

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(240, 219, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 219, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 68.616, 96.837 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(240, 219, 80) }
```

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

```
.border{ border-color:rgb(240, 219, 80) }
```

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

Here you see how a box with a 4 pixel rgb(240, 219, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 219, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 219, 80);  
box-shadow:4px 4px 4px 4px rgb(240, 219,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 68.616, 96.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 219, 80) }
```

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

```
.background{ background-color: rgb(240,  
219, 80) }
```

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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