

Converting Colors

CIELCh(84, 65.941, 104.078)

Have a look what the booklet for
CIELCh(84, 65.941, 104.078)
contains.

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Color

CIELCh(84, 65.938, 104.080)

Conversions

Conversions Part 1

Format	Color
Hex	D8D751
RGB	216, 215, 81
RGB Percent	85%, 84%, 32%
CMY	0.1513, 0.1553, 0.6808
CMYK	0.00, 0.00, 0.62, 0.15
HSL	60°, 64%, 58%
HSV	60°, 62%, 85%
XYZ	54.3440, 64.0658, 17.3636
YIQ	200.0230, 43.6100, -41.4620

Conversions

Conversions Part 2

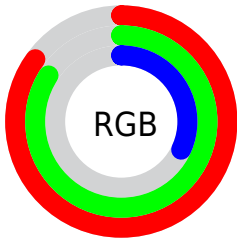
Format	Color
RYB	82, 216, 81
Decimal	14210897
CIELab	84.00, -16.04, 63.96
CIELCh	84, 65.938, 104.080
Yxy	64.0658, 0.4003, 0.4719
Android (android.graphics.Color)	4292400977 (0xFFD8D751)
YUV	200.0230, -58.6783, 14.0118
Hunter-Lab	80.0411, -18.8791, 43.1668

Details

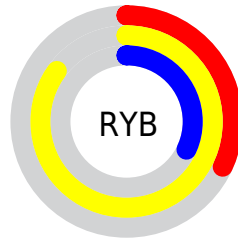
The CIELCh color **84, 65.938, 104.080** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **43, 79.585, 299.922**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 58.607, 105.692**, and **64, 65.778, 103.912** is the 20% darker color. If you saturate the color by 10%, you get **84, 73.853, 103.395**, and if you desaturate by 10%, it is **84, 56.702, 104.891**.

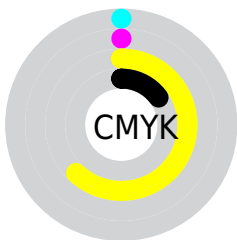
Distribution



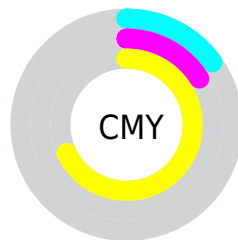
- Red (85%)
- Green (84%)
- Blue (32%)



- Red (32%)
- Yellow (85%)
- Blue (32%)



- Cyan (0%)
- Magenta (0%)
- Yellow (62%)
- Black (15%)




- Cyan (15%)
- Magenta (16%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 65.938, 104.080 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, 65.938, 104.080 by changing the saturation by 10% instead.

 84, 65.938,
104.080

 84, 65.938,
104.080

 100, 65.938,
104.080


 74, 65.938,
104.080

 64, 65.938,
104.080

 54, 65.938,
104.080

 44, 65.938,
104.080

 34, 65.938,
104.080

 24, 65.938,
104.080

 14, 65.938,

104.080

■ 4, 65.938, 104.080

■ 0, 65.938, 104.080

■ 84, 65.938,
104.080

■ 84, 65.938,
104.080

■ 84, 73.853,
103.395

■ 84, 56.702,
104.891

■ 84, 79.902,
102.869

■ 85, 46.601,
105.784

■ 84, 83.639,
102.530

■ 85, 35.966,
106.728

■ 84, 85.138,
102.377

■ 85, 25.014,
107.699

■ 86, 13.887,

108.675

■ 86, 2.674, 109.624

■ 87, 8.566, 290.609

■ 88, 19.795,
291.526

■ 88, 19.952,
291.385

Harmonies

Complementary

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



84, 65.938, 104.080



43, 79.585, 299.922

Rectangle

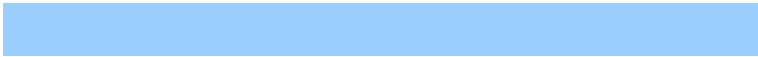
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 65.938, 104.080



84, 65.938, 154.080



84, 65.938, 284.080



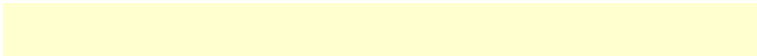
84, 65.938, 334.080

Sweetspot

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



84, 65.939, 104.082



99, 24.282, 108.013



53, 59.615, 27.047



53, 16.692, 107.731



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, 65.939, 104.082



97, 86.118, 103.202



80, 71.822, 125.786



45, 6.311, 108.964



67, 71.386, 102.384



17, 24.831, 104.105

Inverse Universe

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



43, 79.585, 299.922



41, 110.367, 302.866



48, 79.306, 311.712



41, 6.450, 290.861



20, 98.763, 306.187



2, 27.432, 293.879

Previews

White Background



This preview shows how the CIELCh color 84, 65.938, 104.080 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, 65.938, 104.080 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, 65.938, 104.080

Background



This preview shows how black text looks on a background with the CIELCh color 84, 65.938, 104.080.



This preview shows how white text looks on a background with the CIELCh color 84, 65.938, 104.080.

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, 65.938, 104.080

Protanopia

84, 65.318, 95.378

Deuteranopia

84, 53.217, 79.626



Tritanopia

84, 12.954, 339.859

Trichromacy



Original Color
84, 65.938, 104.080

Protanomaly
84, 65.175, 98.448

Deuteranomaly
84, 56.729, 89.971

Tritanomaly
84, 21.550, 90.276

Monochromacy



Original Color
84, 65.938, 104.080

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 25.698, 107.883

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 65.938, 104.080 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(216, 215, 81)` looks like.

```
.text, #text, p{  
    color:rgb(216, 215, 81)  
}
```

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(216, 215, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 215, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 65.938, 104.080 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(216, 215, 81) }
```

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

```
.border{ border-color:rgb(216, 215, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 215, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 215, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 215, 81);  
box-shadow:4px 4px 4px 4px rgb(216, 215,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 65.938, 104.080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 215, 81) }
```

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

```
.background{ background-color: rgb(216,  
215, 81) }
```

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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