

Converting Colors

CIELCh(83, 66.133, 95.316)

Have a look what the booklet for
CIELCh(83, 66.133, 95.316) contains.

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Color

CIELCh(83, 66.133, 95.316)

Conversions

Conversions Part 1

Format	Color
Hex	E7CF4B
RGB	231, 207, 75
RGB Percent	91%, 81%, 29%
CMY	0.0939, 0.1880, 0.7056
CMYK	0.00, 0.10, 0.68, 0.09
HSL	51°, 77%, 60%
HSV	51°, 68%, 91%
XYZ	56.5753, 62.1629, 15.6843
YIQ	199.1280, 56.6760, -35.9640

Conversions

Conversions Part 2

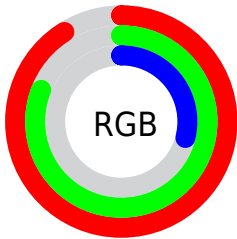
Format	Color
RYB	103, 231, 75
Decimal	15191883
CIELab	83.00, -6.13, 65.85
CIELCh	83, 66.133, 95.316
Yxy	62.1629, 0.4209, 0.4624
Android (android.graphics.Color)	4293381963 (0xFFE7CF4B)
YUV	199.1280, -61.1951, 27.9517
Hunter-Lab	78.8435, -9.8908, 43.3959

Details

The CIELCh color **83, 66.133, 95.316** 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 **47, 77.260, 295.686**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 61.322, 105.484**, and **63, 66.107, 95.243** is the 20% darker color. If you saturate the color by 10%, you get **82, 73.284, 94.186**, and if you desaturate by 10%, it is **84, 57.554, 96.466**.

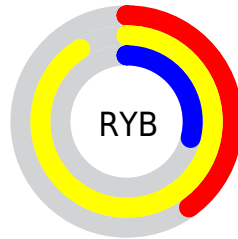
Distribution



Red (91%)

Green (81%)

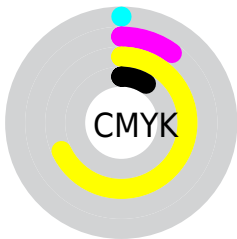
Blue (29%)



Red (40%)

Yellow (91%)

Blue (29%)

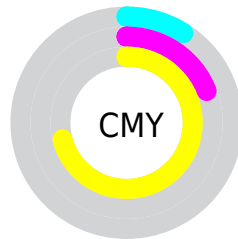


Cyan (0%)

Magenta (10%)

Yellow (68%)

Black (9%)



Cyan (9%)

Magenta (19%)

Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 66.133, 95.316 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 83, 66.133, 95.316 by changing the saturation by 10% instead.

 83, 66.133, 95.316

 83, 66.133, 95.316

 100, 66.133,
95.316

 73, 66.133, 95.316

 63, 66.133, 95.316

 53, 66.133, 95.316

 43, 66.133, 95.316

 33, 66.133, 95.316

 23, 66.133, 95.316

 13, 66.133, 95.316

 3, 66.133, 95.316

 0, 66.133, 95.316

■ 83, 66.133, 95.316

■ 83, 66.133, 95.316

■ 82, 73.284, 94.186

■ 84, 57.554, 96.466

■ 81, 78.299, 93.053

■ 85, 48.120, 97.628

■ 80, 80.686, 91.882

■ 87, 38.219, 98.793

■ 80, 81.070, 91.588

■ 88, 28.087, 99.953

■ 89, 17.869,
101.095

■ 91, 7.645, 102.203

■ 92, 2.537, 283.366

■ 93, 10.143,
282.402

■ 94, 8.594, 272.347

Harmonies

Complementary

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



83, 66.133, 95.316



47, 77.260, 295.686

Rectangle

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



83, 66.133, 95.316



83, 66.133, 145.316



83, 66.133, 275.316



83, 66.133, 325.316

Sweetspot

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



83, 66.133, 95.319



97, 22.111, 100.801



55, 64.675, 17.775



51, 15.089, 100.479



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 66.133, 95.319



89, 81.392, 93.743



86, 77.662, 119.864



48, 5.752, 101.992



63, 66.928, 91.800



18, 25.451, 94.138

Inverse Universe

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



47, 77.260, 295.686



44, 102.238, 299.596



46, 90.558, 308.023



45, 5.836, 284.151



24, 93.531, 303.730



4, 30.105, 293.550

Previews

White Background



This preview shows how the CIELCh color 83, 66.133, 95.316 looks on a white background.

Color Contrast Check

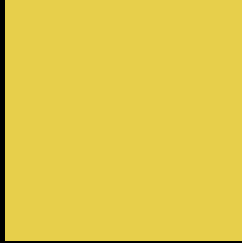
Large Text (above 18pt) WCAG AA × Fail

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 83, 66.133, 95.316 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 83, 66.133, 95.316

Background



This preview shows how black text looks on a background with the CIELCh color 83, 66.133, 95.316.



This preview shows how white text looks on a background with the CIELCh color 83, 66.133, 95.316.

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

83, 66.133, 95.316

Protanopia

83, 66.133, 95.316

Deuteranopia

83, 60.061, 80.418



Tritanopia
83, 19.439, 357.112

Trichromacy



Original Color
83, 66.133, 95.316

Protanomaly
83, 66.133, 95.316

Deuteranomaly
83, 61.777, 86.437

Tritanomaly
83, 26.073, 71.314

Monochromacy



Original Color
83, 66.133, 95.316

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 25.517, 99.795

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 66.133, 95.316 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(231, 207, 75)` looks like.

```
.text, #text, p{  
    color:rgb(231, 207, 75)  
}
```

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(231, 207, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 207, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 66.133, 95.316 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(231, 207, 75) }
```

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

```
.border{ border-color:rgb(231, 207, 75) }
```

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

Here you see how a box with a 4 pixel rgb(231, 207, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 207, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 207, 75);  
box-shadow:4px 4px 4px 4px rgb(231, 207,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 66.133, 95.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 207, 75) }
```

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

```
.background{ background-color: rgb(231,  
207, 75) }
```

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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