

Converting Colors

CIELCh(81, 66.555, 89.015)

Have a look what the booklet for
CIELCh(81, 66.555, 89.015) contains.

CIELCh(81, 66.337, 88.941)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(81, 66.337, 88.941)

Conversions

Conversions Part 1

Format	Color
Hex	EDC545
RGB	237, 197, 69
RGB Percent	93%, 77%, 27%
CMY	0.0699, 0.2268, 0.7288
CMYK	0.00, 0.17, 0.71, 0.07
HSL	46°, 82%, 60%
HSV	46°, 71%, 93%
XYZ	56.0654, 58.4711, 13.9877
YIQ	194.3680, 64.9280, -31.3280

Conversions

Conversions Part 2

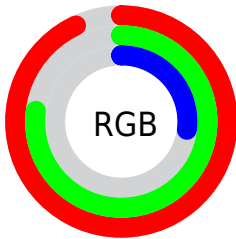
Format	Color
RYB	122, 237, 69
Decimal	15582533
CIELab	81.00, 1.23, 66.33
CIELCh	81, 66.337, 88.941
Yxy	58.4711, 0.4362, 0.4549
Android (android.graphics.Color)	4293772613 (0xFFEDC545)
YUV	194.3680, -61.8064, 37.3883
Hunter-Lab	76.4664, -2.9395, 42.6808

Details

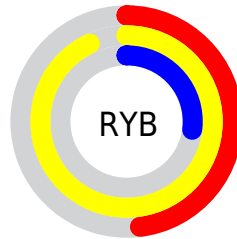
The CIELCh color **81, 66.337, 88.941** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **50, 74.382, 292.558**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 63.164, 104.578**, and **61, 65.405, 89.090** is the 20% darker color. If you saturate the color by 10%, you get **79, 73.146, 87.475**, and if you desaturate by 10%, it is **83, 58.039, 90.329**.

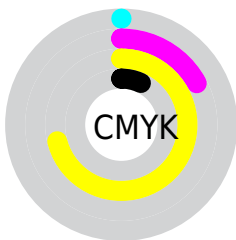
Distribution



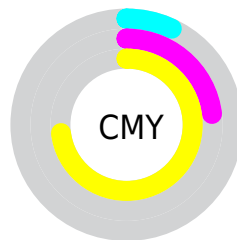
- Red (93%)
- Green (77%)
- Blue (27%)



- Red (48%)
- Yellow (93%)
- Blue (27%)



- Cyan (0%)
- Magenta (17%)
- Yellow (71%)
- Black (7%)



- Cyan (7%)
- Magenta (23%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 66.337, 88.941 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 81, 66.337, 88.941 by changing the saturation by 10% instead.

 81, 66.337, 88.941

 81, 66.337, 88.941

 100, 66.337,
88.941

 71, 66.337, 88.941

 61, 66.337, 88.941

 51, 66.337, 88.941

 41, 66.337, 88.941

 31, 66.337, 88.941

 21, 66.337, 88.941

 11, 66.337, 88.941

 1, 66.337, 88.941

 0, 66.337, 88.941

81, 66.337, 88.941

81, 66.337, 88.941

79, 73.146, 87.475

83, 58.039, 90.329

78, 77.652, 85.843

84, 48.909, 91.668

77, 79.570, 84.150

86, 39.373, 92.979

88, 29.681, 94.261

90, 19.975, 95.512

92, 10.330, 96.721

94, 0.784, 97.658

96, 6.702, 275.332

97, 5.113, 243.878

Harmonies

Complementary

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



81, 66.337, 88.941



50, 74.382, 292.558

Rectangle

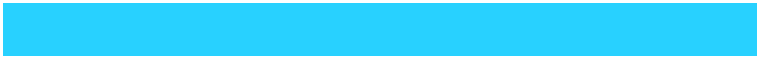
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 66.337, 88.941



81, 66.337, 138.941



81, 66.337, 268.941



81, 66.337, 318.941

Sweetspot

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



81, 66.337, 88.944



96, 21.352, 95.481



56, 67.896, 12.416



50, 14.470, 95.138



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



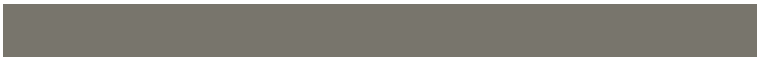
81, 66.337, 88.944



84, 79.760, 86.768



88, 80.758, 116.171



49, 5.458, 96.880



61, 65.763, 84.500



18, 26.164, 87.153

Inverse Universe

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



50, 74.382, 292.558



46, 96.542, 297.172



44, 97.389, 306.417



47, 5.505, 279.211



27, 87.446, 301.064



5, 31.478, 293.783

Previews

White Background



This preview shows how the CIELCh color 81, 66.337, 88.941 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 81, 66.337, 88.941 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 81, 66.337, 88.941

Background



This preview shows how black text looks on a background with the CIELCh color 81, 66.337, 88.941.



This preview shows how white text looks on a background with the CIELCh color 81, 66.337, 88.941.

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

81, 66.337, 88.941

Protanopia

81, 66.062, 95.530

Deuteranopia

81, 66.719, 81.094



Tritanopia
81, 24.964, 3.158

Trichromacy



Original Color
81, 66.337, 88.941

Protanomaly
81, 65.816, 93.182

Deuteranomaly
81, 66.502, 83.833

Tritanomaly
81, 29.944, 60.857

Monochromacy



Original Color
81, 66.337, 88.941

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 25.519, 95.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 66.337, 88.941 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(237, 197, 69)` looks like.

```
.text, #text, p{  
    color:rgb(237, 197, 69)  
}
```

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(237, 197, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 197, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 66.337, 88.941 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(237, 197, 69) }
```

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

```
.border{ border-color:rgb(237, 197, 69) }
```

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

Here you see how a box with a 4 pixel rgb(237, 197, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 197, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 197, 69);  
box-shadow:4px 4px 4px 4px rgb(237, 197,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 66.337, 88.941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 197, 69) }
```

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

```
.background{ background-color: rgb(237,  
197, 69) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor