

Converting Colors

CIELCh(83, 54.463, 91.367)

Have a look what the booklet for
CIELCh(83, 54.463, 91.367) contains.

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Color

CIELCh(83, 54.463, 91.367)

Conversions

Conversions Part 1

Format	Color
Hex	ECCD66
RGB	236, 205, 102
RGB Percent	93%, 80%, 40%
CMY	0.0763, 0.1977, 0.6016
CMYK	0.00, 0.13, 0.57, 0.08
HSL	46°, 77%, 66%
HSV	46°, 57%, 92%
XYZ	58.5460, 62.1629, 21.3777
YIQ	202.5270, 51.5390, -25.4610

Conversions

Conversions Part 2

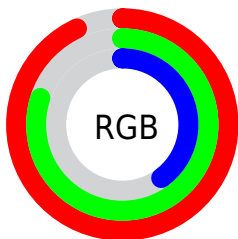
Format	Color
RYB	142, 236, 102
Decimal	15519078
CIELab	83.00, -1.30, 54.45
CIELCh	83, 54.463, 91.367
Yxy	62.1629, 0.4120, 0.4375
Android (android.graphics.Color)	4293709158 (0xFFECCD66)
YUV	202.5270, -49.5598, 29.3558
Hunter-Lab	78.8435, -5.4293, 39.1145

Details

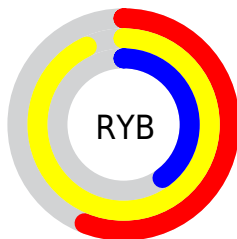
The CIELCh color **83, 54.463, 91.367** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **58, 58.613, 288.876**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 49.271, 106.409**, and **63, 54.565, 91.509** is the 20% darker color. If you saturate the color by 10%, you get **81, 63.116, 90.023**, and if you desaturate by 10%, it is **85, 45.160, 92.685**.

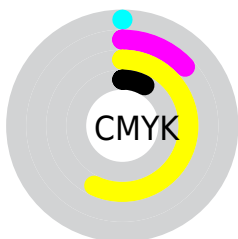
Distribution



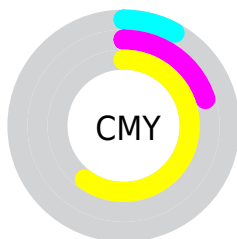
- Red (93%)
- Green (80%)
- Blue (40%)



- Red (56%)
- Yellow (93%)
- Blue (40%)



- Cyan (0%)
- Magenta (13%)
- Yellow (57%)
- Black (8%)



- Cyan (8%)
- Magenta (20%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 54.463, 91.367 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, 54.463, 91.367 by changing the saturation by 10% instead.

■ 83, 54.463, 91.367

■ 83, 54.463, 91.367

■ 100, 54.463,
91.367

■ 73, 54.463, 91.367

■ 63, 54.463, 91.367

■ 53, 54.463, 91.367

■ 43, 54.463, 91.367

■ 33, 54.463, 91.367

■ 23, 54.463, 91.367

■ 13, 54.463, 91.367

■ 3, 54.463, 91.367

■ 0, 54.463, 91.367

83, 54.463, 91.367

83, 54.463, 91.367

81, 63.116, 90.023

85, 45.160, 92.685

80, 70.557, 88.618

86, 35.555, 93.973

78, 76.019, 87.097

88, 25.850, 95.235

77, 78.804, 85.368

90, 16.158, 96.463

77, 79.352, 84.800

92, 6.538, 97.641

94, 2.981, 278.891

96, 6.735, 269.358

97, 5.513, 238.948

98, 6.211, 205.846

Harmonies

Complementary

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



83, 54.463, 91.367



58, 58.613, 288.876

Rectangle

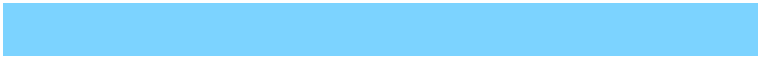
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 54.463, 91.367



83, 54.463, 141.367



83, 54.463, 271.367



83, 54.463, 321.367

Sweetspot

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



83, 54.464, 91.370



97, 17.371, 96.438



61, 55.241, 9.404



51, 11.630, 96.193



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, 54.464, 91.370



87, 68.247, 89.827



88, 67.389, 117.261



48, 5.401, 97.342



60, 65.251, 85.151



17, 25.066, 87.882

Inverse Universe

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



58, 58.613, 288.876



55, 76.155, 292.147



53, 77.325, 305.381



46, 5.451, 279.654



27, 87.206, 301.303



5, 30.001, 292.779

Previews

White Background



This preview shows how the CIELCh color 83, 54.463, 91.367 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, 54.463, 91.367 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, 54.463, 91.367

Background



This preview shows how black text looks on a background with the CIELCh color 83, 54.463, 91.367.

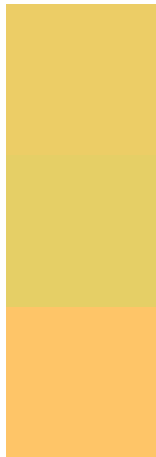


This preview shows how white text looks on a background with the CIELCh color 83, 54.463, 91.367.

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, 54.463, 91.367

Protanopia

83, 54.406, 95.485

Deuteranopia

83, 54.666, 79.063



Tritanopia
83, 20.844, 358.964

Trichromacy



Original Color
83, 54.463, 91.367

Protanomaly
83, 54.247, 94.089

Deuteranomaly
83, 54.323, 83.790

Tritanomaly
83, 23.426, 59.013

Monochromacy



Original Color
83, 54.463, 91.367

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 20.482, 96.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 54.463, 91.367 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(236, 205, 102)` looks like.

```
.text, #text, p{  
    color:rgb(236, 205, 102)  
}
```

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(236, 205, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 205, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 54.463, 91.367 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(236, 205, 102) }
```

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

```
.border{ border-color:rgb(236, 205, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 205, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 205, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 205, 102);  
box-shadow:4px 4px 4px 4px rgb(236, 205,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 54.463, 91.367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 205, 102) }
```

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

```
.background{ background-color: rgb(236,  
205, 102) }
```

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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