

Converting Colors

CIELCh(81, 69.621, 86.677)

Have a look what the booklet for
CIELCh(81, 69.621, 86.677) contains.

CIELCh(81, 69.540, 86.683)	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, 69.540, 86.683)

Conversions

Conversions Part 1

Format	Color
Hex	F2C33D
RGB	242, 195, 61
RGB Percent	95%, 76%, 24%
CMY	0.0495, 0.2339, 0.7593
CMYK	0.00, 0.19, 0.75, 0.05
HSL	44°, 88%, 60%
HSV	44°, 75%, 95%
XYZ	57.1950, 58.4711, 12.7387
YIQ	193.7770, 71.0260, -31.7100

Conversions

Conversions Part 2

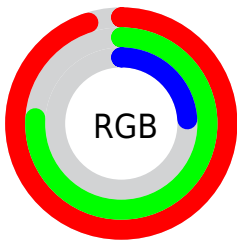
Format	Color
RYB	124, 242, 61
Decimal	15909693
CIELab	81.00, 4.02, 69.42
CIELCh	81, 69.540, 86.683
Yxy	58.4711, 0.4454, 0.4554
Android (android.graphics.Color)	4294099773 (0xFFFF2C33D)
YUV	193.7770, -65.4591, 42.2916
Hunter-Lab	76.4664, -0.3026, 43.6492

Details

The CIELCh color **81, 69.540, 86.683** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **50, 77.843, 292.617**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 65.420, 103.681**, and **61, 65.788, 86.156** is the 20% darker color. If you saturate the color by 10%, you get **79, 75.748, 85.071**, and if you desaturate by 10%, it is **83, 61.554, 88.160**.

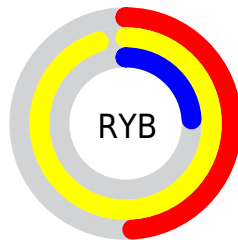
Distribution



Red (95%)

Green (76%)

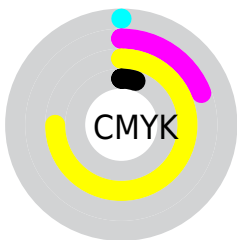
Blue (24%)



Red (49%)

Yellow (95%)

Blue (24%)

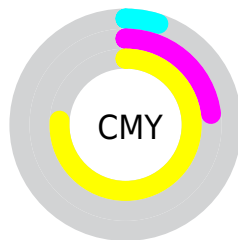


Cyan (0%)

Magenta (19%)

Yellow (75%)

Black (5%)



Cyan (5%)

Magenta (23%)

Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 69.540, 86.683 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, 69.540, 86.683 by changing the saturation by 10% instead.

 81, 69.540, 86.683

 81, 69.540, 86.683

 100, 69.540,
86.683

 71, 69.540, 86.683

 61, 69.540, 86.683

 51, 69.540, 86.683

 41, 69.540, 86.683

 31, 69.540, 86.683

 21, 69.540, 86.683

 11, 69.540, 86.683

 1, 69.540, 86.683

 0, 69.540, 86.683

81, 69.540, 86.683

81, 69.540, 86.683

79, 75.748, 85.071

83, 61.554, 88.160

78, 79.344, 83.204

85, 52.553, 89.561

77, 80.338, 82.106

86, 43.049, 90.918

88, 33.350, 92.242

90, 23.625, 93.531

92, 13.964, 94.781

95, 4.414, 95.962

97, 4.866, 276.820

98, 3.634, 224.008

Harmonies

Complementary

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



81, 69.540, 86.683



50, 77.843, 292.617

Rectangle

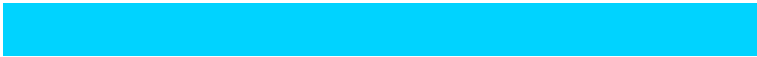
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 69.540, 86.683



81, 69.540, 136.683



81, 69.540, 266.683



81, 69.540, 316.683

Sweetspot

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



81, 69.540, 86.686



95, 21.911, 93.863



56, 71.933, 12.541



50, 14.745, 93.519



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, 69.540, 86.686



82, 81.172, 84.072



90, 84.983, 115.386



50, 5.429, 95.408



60, 65.982, 82.502



19, 26.954, 85.173

Inverse Universe

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



50, 77.843, 292.617



44, 99.608, 297.748



42, 104.347, 306.459



48, 5.466, 277.785



29, 86.003, 300.214



6, 32.339, 294.073

Previews

White Background



This preview shows how the CIELCh color 81, 69.540, 86.683 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, 69.540, 86.683 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, 69.540, 86.683

Background



This preview shows how black text looks on a background with the CIELCh color 81, 69.540, 86.683.



This preview shows how white text looks on a background with the CIELCh color 81, 69.540, 86.683.

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, 69.540, 86.683

Protanopia

81, 68.746, 95.243

Deuteranopia

81, 69.863, 81.436



Tritanopia
81, 27.090, 6.041

Trichromacy



Original Color
81, 69.540, 86.683

Protanomaly
81, 69.086, 92.288

Deuteranomaly
81, 69.974, 83.385

Tritanomaly
81, 33.408, 58.381

Monochromacy



Original Color
81, 69.540, 86.683

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 26.502, 91.804

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 69.540, 86.683 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(242, 195, 61)` looks like.

```
.text, #text, p{  
    color:rgb(242, 195, 61)  
}
```

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(242, 195, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 195, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 69.540, 86.683 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(242, 195, 61) }
```

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

```
.border{ border-color:rgb(242, 195, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 195, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 195, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 195, 61);  
box-shadow:4px 4px 4px 4px rgb(242, 195,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 69.540, 86.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 195, 61) }
```

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

```
.background{ background-color: rgb(242,  
195, 61) }
```

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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