

Converting Colors

CIELCh(85, 73.560, 86.602)

Have a look what the booklet for
CIELCh(85, 73.560, 86.602) contains.

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Color

CIELCh(85, 73.393, 86.971)

Conversions

Conversions Part 1

Format	Color
Hex	FFCE3E
RGB	255, 206, 62
RGB Percent	100%, 81%, 24%
CMY	0.0000, 0.1907, 0.7553
CMYK	0.00, 0.19, 0.76, 0.00
HSL	45°, 100%, 62%
HSV	45°, 76%, 100%
XYZ	64.4293, 66.0070, 13.9593
YIQ	204.2350, 75.4280, -34.3960

Conversions

Conversions Part 2

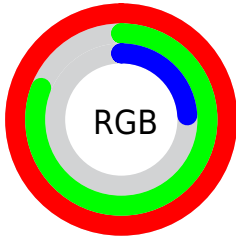
Format	Color
R _Y B	128, 255, 62
Decimal	16764478
CIE Lab	85.00, 3.88, 73.29
CIE LCh	85, 73.393, 86.971
Yxy	66.0070, 0.4462, 0.4571
Android (android.graphics.Color)	4294954558 (0xFFFFCE3E)
YUV	204.2350, -70.1219, 44.5209
Hunter-Lab	81.2447, -0.6227, 46.6842

Details

The CIELCh color **85, 73.393, 86.971** 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 **51, 83.037, 293.363**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 66.170, 105.115**, and **65, 69.055, 86.362** is the 20% darker color. If you saturate the color by 10%, you get **83, 79.509, 85.497**, and if you desaturate by 10%, it is **87, 65.182, 88.573**.

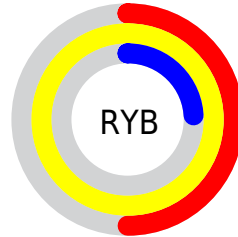
Distribution



Red (100%)

Green (81%)

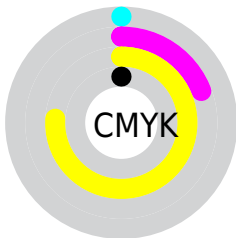
Blue (24%)



Red (50%)

Yellow (100%)

Blue (24%)

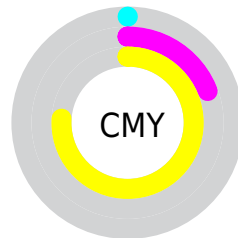


Cyan (0%)

Magenta (19%)

Yellow (76%)

Black (0%)



Cyan (0%)

Magenta (19%)

Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 73.393, 86.971 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 85, 73.393, 86.971 by changing the saturation by 10% instead.

 85, 73.393, 86.971

 85, 73.393, 86.971

 100, 73.393,
86.971

 75, 73.393, 86.971

 65, 73.393, 86.971

 55, 73.393, 86.971

 45, 73.393, 86.971

 35, 73.393, 86.971

 25, 73.393, 86.971

 15, 73.393, 86.971

 5, 73.393, 86.971

 0, 73.393, 86.971

85, 73.393, 86.971

85, 73.393, 86.971

83, 79.509, 85.497

87, 65.182, 88.573

82, 82.874, 83.637

89, 55.877, 89.969

81, 83.645, 82.729

90, 45.984, 91.321

92, 35.846, 92.642

95, 25.656, 93.930

97, 15.517, 95.180

99, 5.483, 96.370

100, 0.012,
296.813

Harmonies

Complementary

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



85, 73.393, 86.971



51, 83.037, 293.363

Rectangle

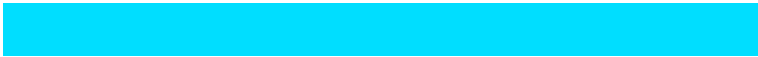
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 73.393, 86.971



85, 73.393, 136.971



85, 73.393, 266.971



85, 73.393, 316.971

Sweetspot

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



85, 73.333, 87.105



95, 23.084, 94.250



58, 75.555, 12.957



50, 16.006, 93.792



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 73.333, 87.105



82, 81.735, 84.519



94, 89.134, 115.390



52, 5.657, 95.909



62, 67.459, 83.132



21, 29.403, 85.603

Inverse Universe

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



51, 83.037, 293.363



43, 101.826, 298.415



44, 109.840, 306.557



50, 5.699, 278.281



29, 88.761, 300.577



7, 35.546, 295.786

Previews

White Background



This preview shows how the CIELCh color 85, 73.393, 86.971 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 85, 73.393, 86.971 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 85, 73.393, 86.971

Background



This preview shows how black text looks on a background with the CIELCh color 85, 73.393, 86.971.



This preview shows how white text looks on a background with the CIELCh color 85, 73.393, 86.971.

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

85, 73.393, 86.971

Protanopia

85, 72.540, 95.346

Deuteranopia

85, 49.057, 80.178



Tritanopia
85, 22.506, 5.117

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 73.393, 86.971 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(255, 206, 62)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 62)  
}
```

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(255, 206, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 73.393, 86.971 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(255, 206, 62) }
```

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

```
.border{ border-color:rgb(255, 206, 62) }
```

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

Here you see how a box with a 4 pixel rgb(255, 206, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 73.393, 86.971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 62) }
```

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

```
.background{ background-color: rgb(255,  
206, 62) }
```

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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