

Converting Colors

CIELCh(87, 74.587, 90.434)

Have a look what the booklet for
CIELCh(87, 74.587, 90.434) contains.

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Color

CIELCh(87, 74.707, 90.489)

Conversions

Conversions Part 1

Format	Color
Hex	FFD740
RGB	255, 215, 64
RGB Percent	100%, 84%, 25%
CMY	0.0013, 0.1580, 0.7503
CMYK	0.00, 0.16, 0.75, 0.00
HSL	47°, 100%, 62%
HSV	47°, 75%, 100%
XYZ	66.2527, 70.0064, 14.8213
YIQ	209.7460, 72.3110, -38.4810

Conversions

Conversions Part 2

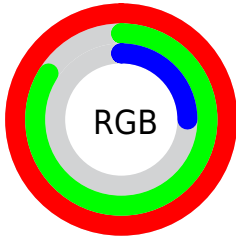
Format	Color
R _{YB}	115, 255, 64
Decimal	16766784
CIE Lab	87.00, -0.64, 74.70
CIE LCh	87, 74.707, 90.489
Yxy	70.0064, 0.4385, 0.4634
Android (android.graphics.Color)	4294956864 (0xFFFFD740)
YUV	209.7460, -71.8528, 39.6878
Hunter-Lab	83.6698, -5.0796, 48.0662

Details

The CIELCh color **87, 74.707, 90.489** 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, 87.427, 295.411**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 64.866, 105.214**, and **67, 70.553, 90.375** is the 20% darker color. If you saturate the color by 10%, you get **86, 80.818, 89.089**, and if you desaturate by 10%, it is **89, 66.557, 91.821**.

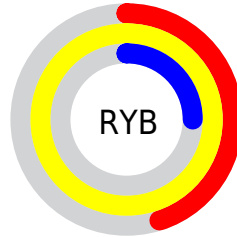
Distribution



Red (100%)

Green (84%)

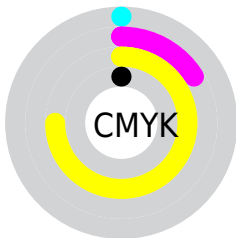
Blue (25%)



Red (45%)

Yellow (100%)

Blue (25%)

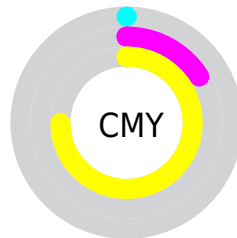


Cyan (0%)

Magenta (16%)

Yellow (75%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 74.707, 90.489 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 87, 74.707, 90.489 by changing the saturation by 10% instead.

 87, 74.707, 90.489

 87, 74.707, 90.489

 100, 74.707,
90.489

 77, 74.707, 90.489

 67, 74.707, 90.489

 57, 74.707, 90.489

 47, 74.707, 90.489

 37, 74.707, 90.489

 27, 74.707, 90.489

 17, 74.707, 90.489

 7, 74.707, 90.489

 0, 74.707, 90.489

87, 74.707, 90.489

87, 74.707, 90.489

86, 80.818, 89.089

89, 66.557, 91.821

84, 84.115, 87.539

90, 57.158, 93.117

84, 84.876, 86.704

92, 47.080, 94.393

93, 36.677, 95.651

95, 26.158, 96.886

97, 15.638, 98.089

99, 5.180, 99.236

100, 0.118,
205.000

Harmonies

Complementary

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



87, 74.707, 90.489



50, 87.427, 295.411

Rectangle

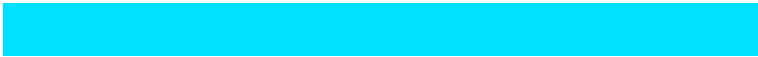
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 74.707, 90.489



87, 74.707, 140.489



87, 74.707, 270.489



87, 74.707, 320.489

Sweetspot

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



87, 74.707, 90.492



96, 23.026, 97.250



58, 75.828, 16.805



51, 15.484, 96.920



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 74.707, 90.492



85, 82.938, 88.337



93, 89.569, 117.696



52, 5.918, 98.730



64, 68.536, 87.024



22, 30.271, 89.164

Inverse Universe

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



50, 87.427, 295.411



42, 106.585, 299.981



45, 108.524, 307.480



49, 5.983, 281.020



28, 93.513, 302.196



6, 37.306, 297.330

Previews

White Background



This preview shows how the CIELCh color 87, 74.707, 90.489 looks on a white background.

Color Contrast Check

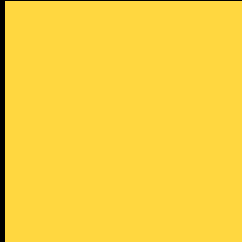
Large Text (above 18pt) WCAG AA × Fail

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 87, 74.707, 90.489 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 87, 74.707, 90.489

Background



This preview shows how black text looks on a background with the CIELCh color 87, 74.707, 90.489.



This preview shows how white text looks on a background with the CIELCh color 87, 74.707, 90.489.

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

87, 74.707, 90.489

Protanopia

87, 74.095, 95.203

Deuteranopia

87, 39.060, 79.611



Tritanopia
87, 19.335, 3.742

Trichromacy



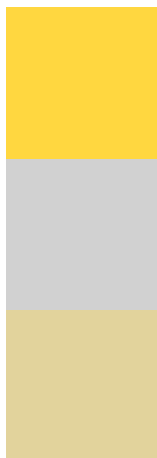
Original Color
87, 74.707, 90.489

Protanomaly
87, 74.151, 93.511

Deuteranomaly
87, 53.172, 85.846

Tritanomaly
87, 31.470, 71.862

Monochromacy



Original Color
87, 74.707, 90.489

Achromatopsia
84, 0.010, 296.813

Achromatomaly
85, 29.314, 95.848

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 74.707, 90.489 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, 215, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 64)  
}
```

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, 215, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 74.707, 90.489 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, 215, 64) }
```

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

```
.border{ border-color:rgb(255, 215, 64) }
```

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

Here you see how a box with a 4 pixel rgb(255, 215, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 74.707, 90.489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 64) }
```

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

```
.background{ background-color: rgb(255,  
215, 64) }
```

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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