

Converting Colors

CIELCh(89, 61.122, 91.148)

Have a look what the booklet for
CIELCh(89, 61.122, 91.148) contains.

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Color

CIELCh(89, 61.016, 91.505)

Conversions

Conversions Part 1

Format	Color
Hex	FFDD67
RGB	255, 221, 103
RGB Percent	100%, 87%, 40%
CMY	0.0000, 0.1322, 0.5950
CMYK	0.00, 0.13, 0.60, 0.00
HSL	47°, 100%, 70%
HSV	47°, 60%, 100%
XYZ	69.7446, 74.1641, 23.5420
YIQ	217.7140, 58.1420, -29.4900

Conversions

Conversions Part 2

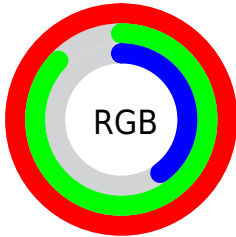
Format	Color
RYB	147, 255, 103
Decimal	16768359
CIELab	89.00, -1.60, 60.99
CIElCh	89, 61.016, 91.505
Yxy	74.1641, 0.4165, 0.4429
Android (android.graphics.Color)	4294958439 (0xFFFFDD67)
YUV	217.7140, -56.5540, 32.6998
Hunter-Lab	86.1186, -6.1462, 44.0751

Details

The CIELCh color **89, 61.016, 91.505** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **60, 66.519, 290.164**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 48.317, 106.483**, and **69, 61.085, 91.473** is the 20% darker color. If you saturate the color by 10%, you get **87, 69.907, 90.283**, and if you desaturate by 10%, it is **91, 51.186, 92.936**.

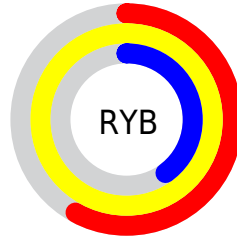
Distribution



Red (100%)

Green (87%)

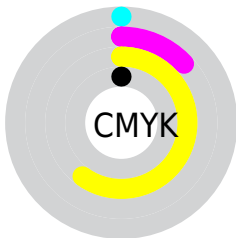
Blue (40%)



Red (58%)

Yellow (100%)

Blue (40%)

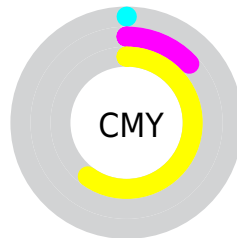


Cyan (0%)

Magenta (13%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 61.016, 91.505 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 89, 61.016, 91.505 by changing the saturation by 10% instead.

 89, 61.016, 91.505

 89, 61.016, 91.505

 100, 61.016,
91.505

 79, 61.016, 91.505

 69, 61.016, 91.505

 59, 61.016, 91.505

 49, 61.016, 91.505

 39, 61.016, 91.505

 29, 61.016, 91.505

 19, 61.016, 91.505

 9, 61.016, 91.505

 0, 61.016, 91.505

89, 61.016, 91.505

89, 61.016, 91.505

87, 69.907, 90.283

91, 51.186, 92.936

86, 77.285, 88.878

92, 40.957, 94.223

84, 82.266, 87.348

94, 30.557, 95.487

83, 84.437, 85.617

96, 20.130, 96.720

83, 84.518, 85.529

98, 9.757, 97.912

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.



89, 61.016, 91.505



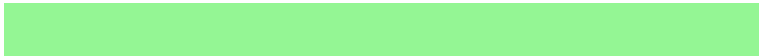
60, 66.519, 290.164

Rectangle

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



89, 61.016, 91.505



89, 61.016, 141.505



89, 61.016, 271.505



89, 61.016, 321.505

Sweetspot

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



89, 60.982, 91.626



96, 18.568, 96.902



64, 61.552, 10.187



51, 12.919, 96.549



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 60.982, 91.626



87, 71.131, 90.077



95, 74.696, 117.156



52, 5.838, 97.912



64, 68.175, 85.874



21, 30.000, 88.122

Inverse Universe

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



60, 66.519, 290.164



53, 80.898, 293.535



55, 86.494, 305.681



50, 5.897, 280.226



28, 92.137, 301.743



6, 36.802, 296.908

Previews

White Background



This preview shows how the CIELCh color 89, 61.016, 91.505 looks on a white background.

Color Contrast Check

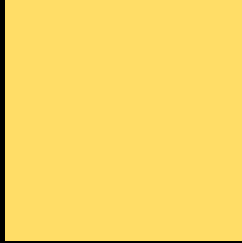
Large Text (above 18pt) WCAG AA × Fail

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 89, 61.016, 91.505 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 89, 61.016, 91.505

Background



This preview shows how black text looks on a background with the CIELCh color 89, 61.016, 91.505.



This preview shows how white text looks on a background with the CIELCh color 89, 61.016, 91.505.

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

89, 61.016, 91.505

Protanopia

89, 60.836, 95.564

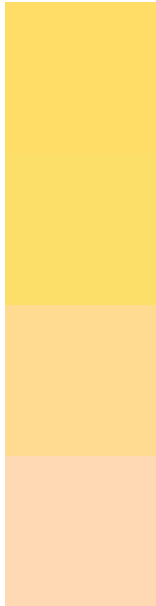
Deuteranopia

89, 29.538, 78.113



Tritanopia
89, 16.373, 0.293

Trichromacy



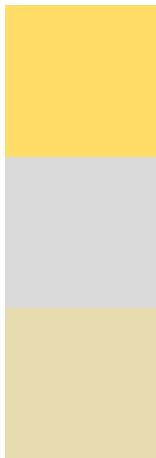
Original Color
89, 61.016, 91.505

Protanomaly
89, 60.773, 93.939

Deuteranomaly
89, 41.054, 85.898

Tritanomaly
89, 24.335, 69.624

Monochromacy



Original Color
89, 61.016, 91.505

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 22.811, 96.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 61.016, 91.505 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, 221, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 103)  
}
```

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, 221, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 61.016, 91.505 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, 221, 103) }
```

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

```
.border{ border-color:rgb(255, 221, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 221, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 61.016, 91.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 103) }
```

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

```
.background{ background-color: rgb(255,  
221, 103) }
```

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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