

Converting Colors

CIELCh(89, 60.475, 90.829)

Have a look what the booklet for
CIELCh(89, 60.475, 90.829) contains.

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Color

CIELCh(89, 60.140, 91.397)

Conversions

Conversions Part 1

Format	Color
Hex	FFDD69
RGB	255, 221, 105
RGB Percent	100%, 87%, 41%
CMY	0.0000, 0.1324, 0.5874
CMYK	0.00, 0.13, 0.59, 0.00
HSL	46°, 100%, 71%
HSV	46°, 59%, 100%
XYZ	69.8079, 74.1641, 24.0593
YIQ	217.9420, 57.5000, -28.8680

Conversions

Conversions Part 2

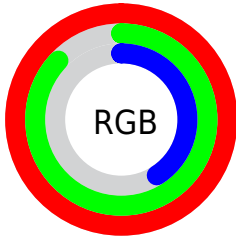
Format	Color
RYB	149, 255, 105
Decimal	16768361
CIELab	89.00, -1.47, 60.12
CIElCh	89, 60.140, 91.397
Yxy	74.1641, 0.4154, 0.4414
Android (android.graphics.Color)	4294958441 (0xFFFFDD69)
YUV	217.9420, -55.6804, 32.4999
Hunter-Lab	86.1186, -6.0151, 43.7190

Details

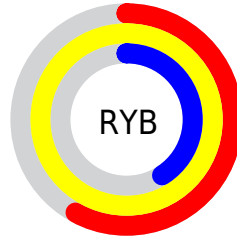
The CIELCh color **89, 60.140, 91.397** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **61, 65.293, 289.773**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 47.360, 106.557**, and **69, 59.990, 91.373** is the 20% darker color. If you saturate the color by 10%, you get **87, 69.124, 90.148**, and if you desaturate by 10%, it is **91, 50.281, 92.811**.

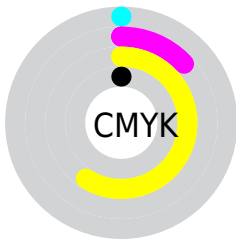
Distribution



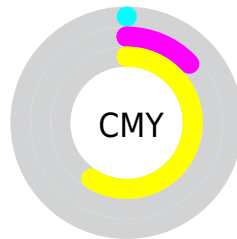
- Red (100%)
- Green (87%)
- Blue (41%)



- Red (58%)
- Yellow (100%)
- Blue (41%)



- Cyan (0%)
- Magenta (13%)
- Yellow (59%)
- Black (0%)



- Cyan (0%)
- Magenta (13%)
- Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 60.140, 91.397 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, 60.140, 91.397 by changing the saturation by 10% instead.

 89, 60.140, 91.397

 89, 60.140, 91.397

 100, 60.140,
91.397

 79, 60.140, 91.397

 69, 60.140, 91.397

 59, 60.140, 91.397

 49, 60.140, 91.397

 39, 60.140, 91.397

 29, 60.140, 91.397

 19, 60.140, 91.397

 9, 60.140, 91.397

 0, 60.140, 91.397

■ 89, 60.140, 91.397

■ 89, 60.140, 91.397

■ 87, 69.124, 90.148

■ 91, 50.281, 92.811

■ 86, 76.657, 88.738

■ 92, 40.050, 94.102

■ 84, 81.865, 87.203

■ 94, 29.668, 95.367

■ 83, 84.208, 85.459

■ 96, 19.272, 96.601

■ 83, 84.413, 85.232

■ 98, 8.937, 97.792

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, 60.140, 91.397



61, 65.293, 289.773

Rectangle

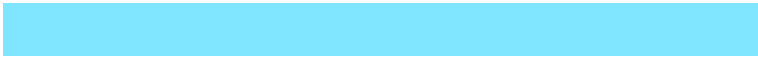
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 60.140, 91.397



89, 60.140, 141.397



89, 60.140, 271.397



89, 60.140, 321.397

Sweetspot

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



89, 60.112, 91.496



96, 18.507, 96.691



64, 60.791, 9.974



51, 12.877, 96.336



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, 60.112, 91.496



87, 70.173, 89.974



95, 73.874, 117.183



52, 5.819, 97.703



64, 68.090, 85.583



21, 29.934, 87.858

Inverse Universe

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



61, 65.293, 289.773



53, 79.274, 293.060



55, 85.334, 305.601



50, 5.875, 280.024



28, 91.785, 301.625



6, 36.673, 296.797

Previews

White Background



This preview shows how the CIELCh color 89, 60.140, 91.397 looks on a white background.

Color Contrast Check

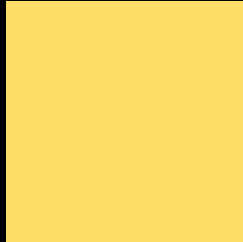
Large Text (above 18pt) WCAG AA × Fail

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, 60.140, 91.397 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, 60.140, 91.397

Background



This preview shows how black text looks on a background with the CIELCh color 89, 60.140, 91.397.



This preview shows how white text looks on a background with the CIELCh color 89, 60.140, 91.397.

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, 60.140, 91.397

Protanopia

89, 59.954, 95.510

Deuteranopia

89, 29.538, 78.113



Tritanopia
89, 16.373, 0.293

Trichromacy



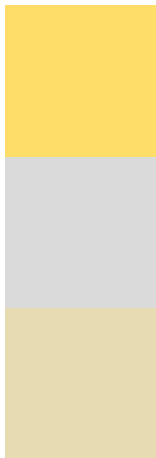
Original Color
89, 60.140, 91.397

Protanomaly
89, 59.892, 93.862

Deuteranomaly
89, 40.580, 85.708

Tritanomaly
89, 23.918, 68.923

Monochromacy



Original Color
89, 60.140, 91.397

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 22.304, 96.259

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 60.140, 91.397 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 60.140, 91.397 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, 105) }
```

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

```
.border{ border-color:rgb(255, 221, 105) }
```

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, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 60.140, 91.397 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, 105) }
```

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

```
.background{ background-color: rgb(255,  
221, 105) }
```

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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